



**NOAA
FISHERIES**

Alaska Region

Gulf of Alaska Inseason Management Report

December 2017

Catch data are through November 11, 2017

Management reports can be found at:

<https://alaskafisheries.noaa.gov/fisheries-data-reports?tid=286>

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November 2017

GOA REPORTING AREAS



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Abbreviations:

NPT = Non Pelagic Trawl

PTR = Pelagic Trawl

HAL = Hook-and-line / Longline

CP = Catcher Processor

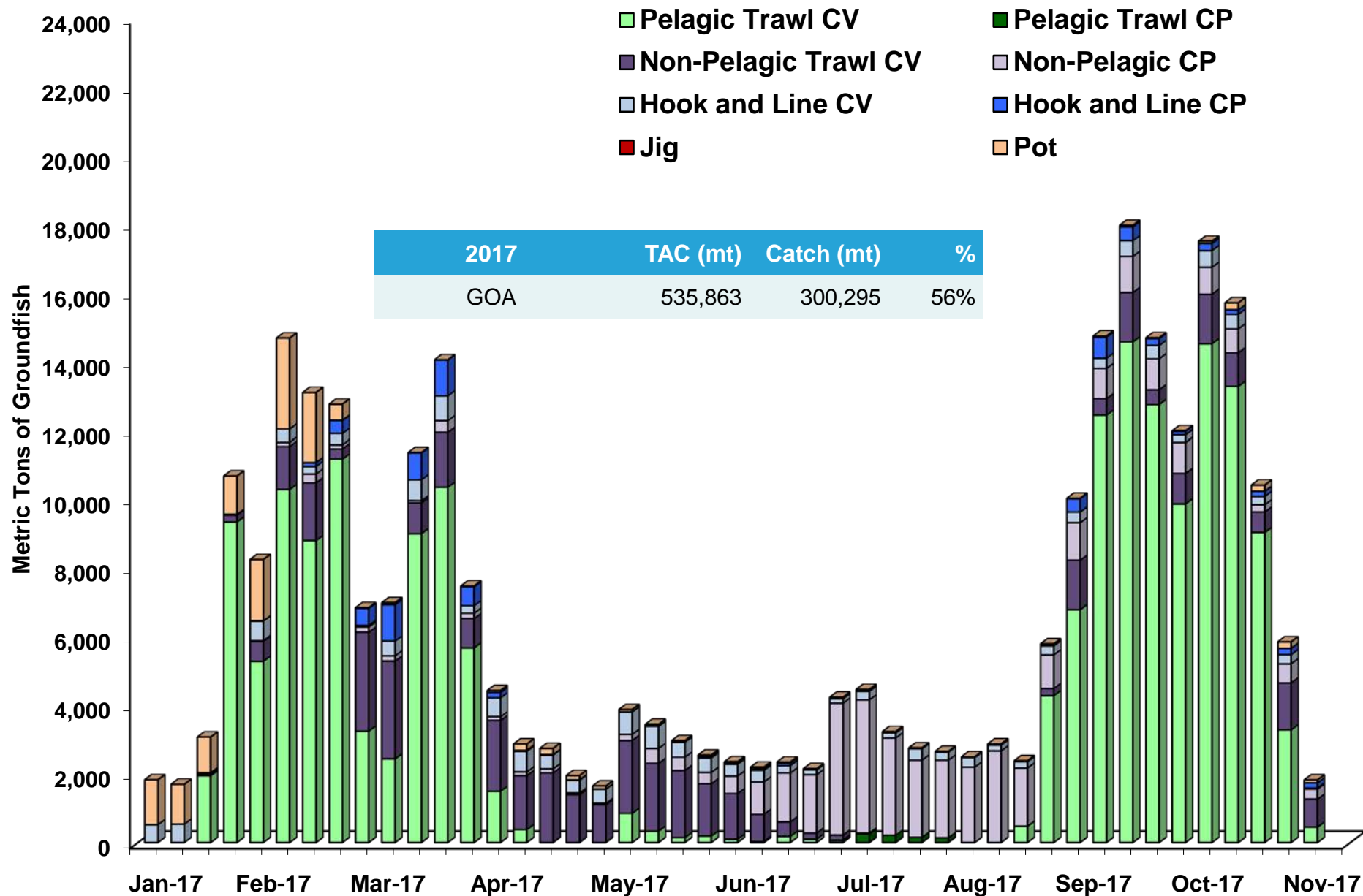
CV = Catcher Vessel

M = Mothership

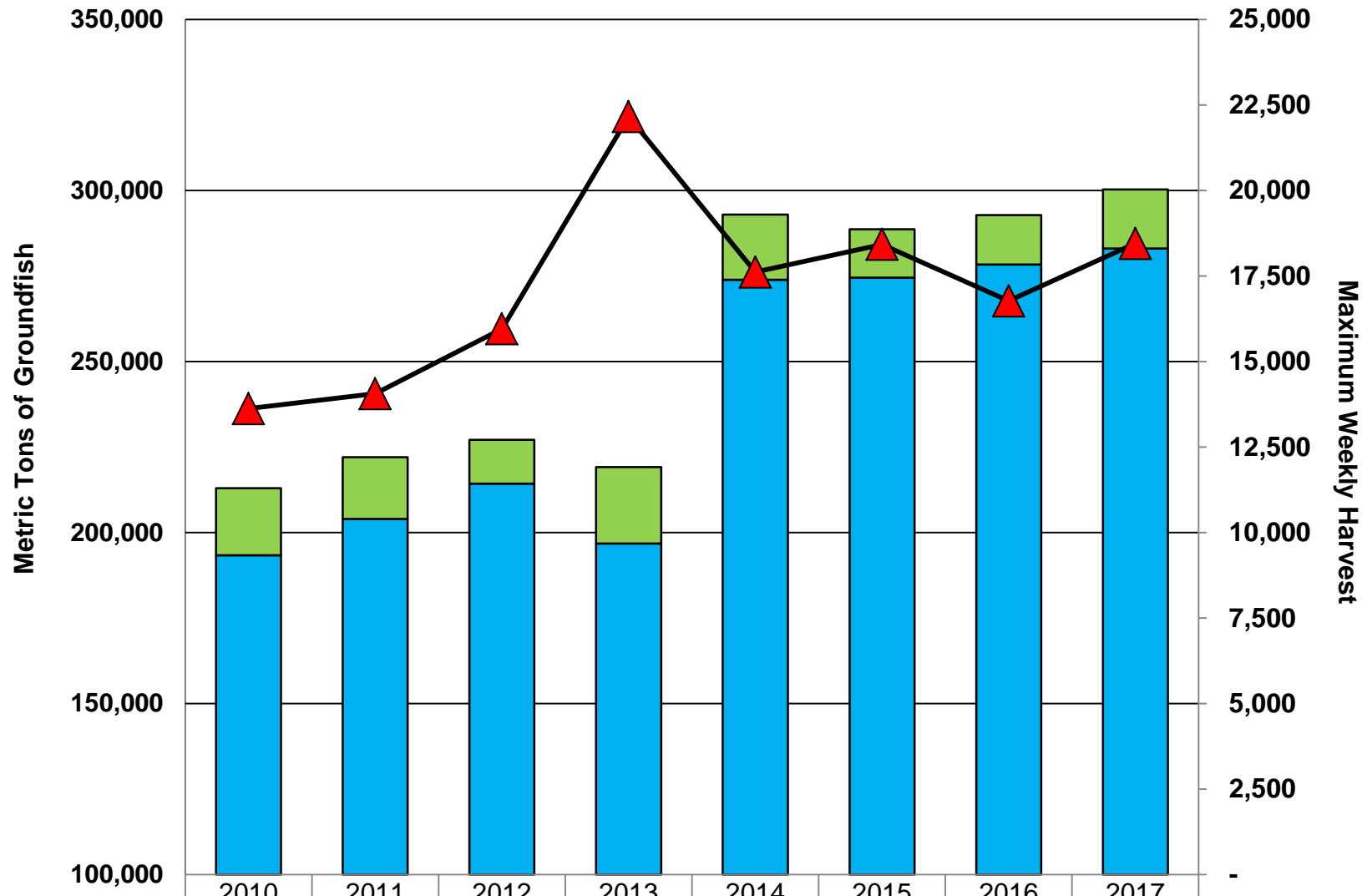
0 50 100 200
Miles

All catch numbers do not include 649/659 catch

2017 GOA Total Groundfish Catch by Gear and Sector

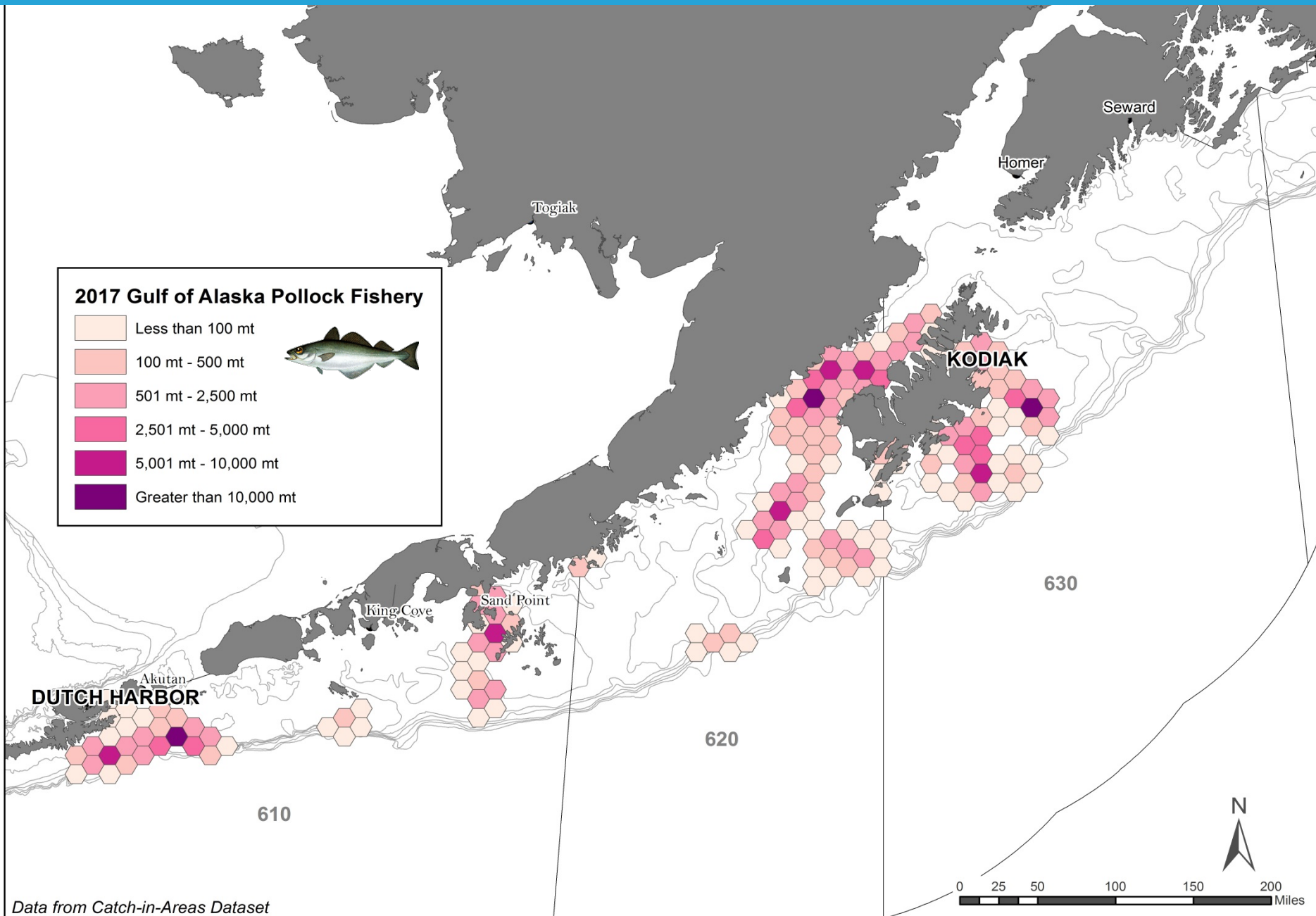


GOA Total Groundfish Catch and Maximum Weekly Harvest

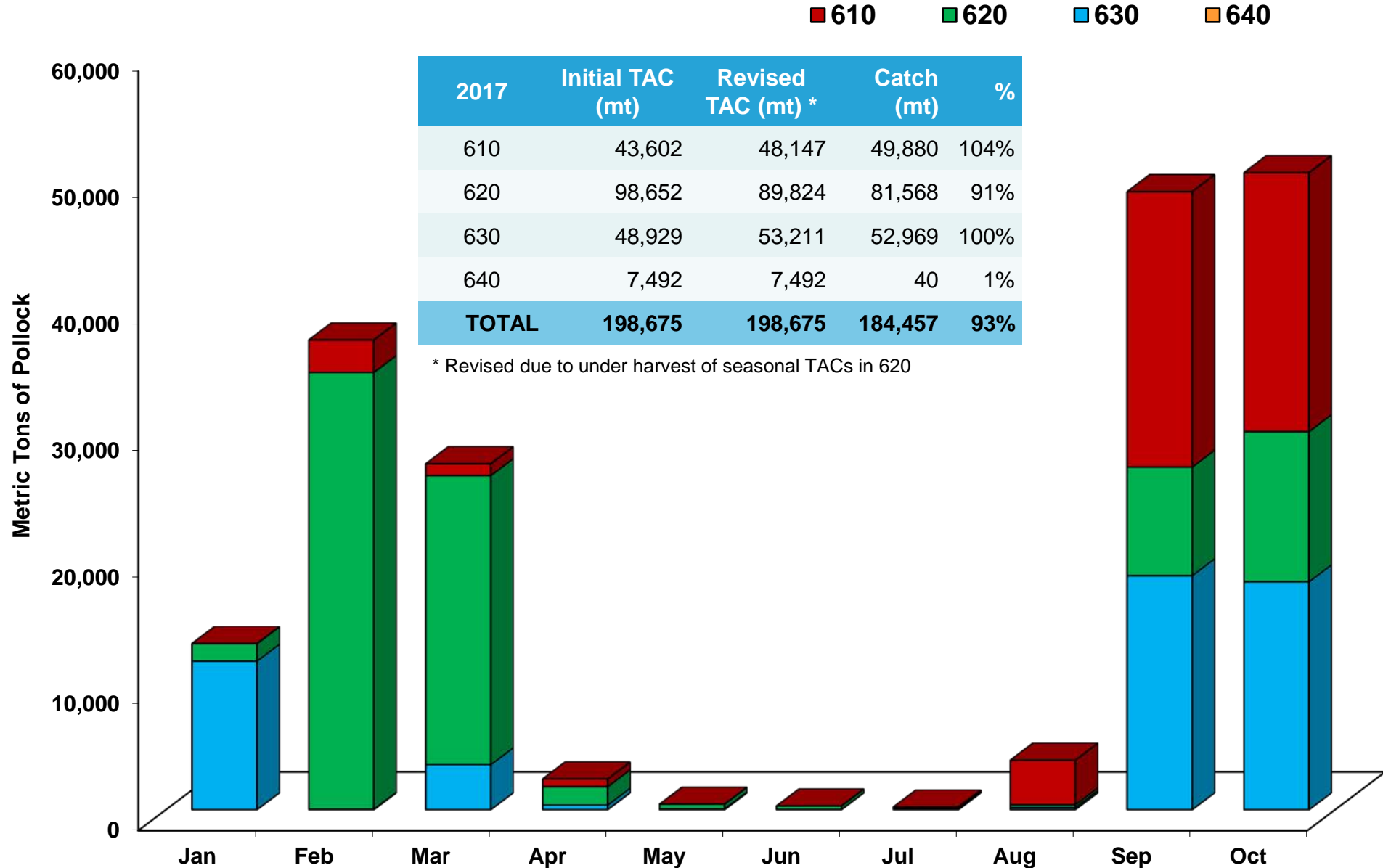


■ Discarded Catch	19,540	18,053	12,850	22,319	19,079	14,116	14,441	17,273
■ Retained Catch	193,407	203,998	214,294	196,803	273,905	274,537	278,381	283,022
▲ Maximum Weekly Harvest	13,622	14,060	15,952	22,158	17,614	18,422	16,771	18,450

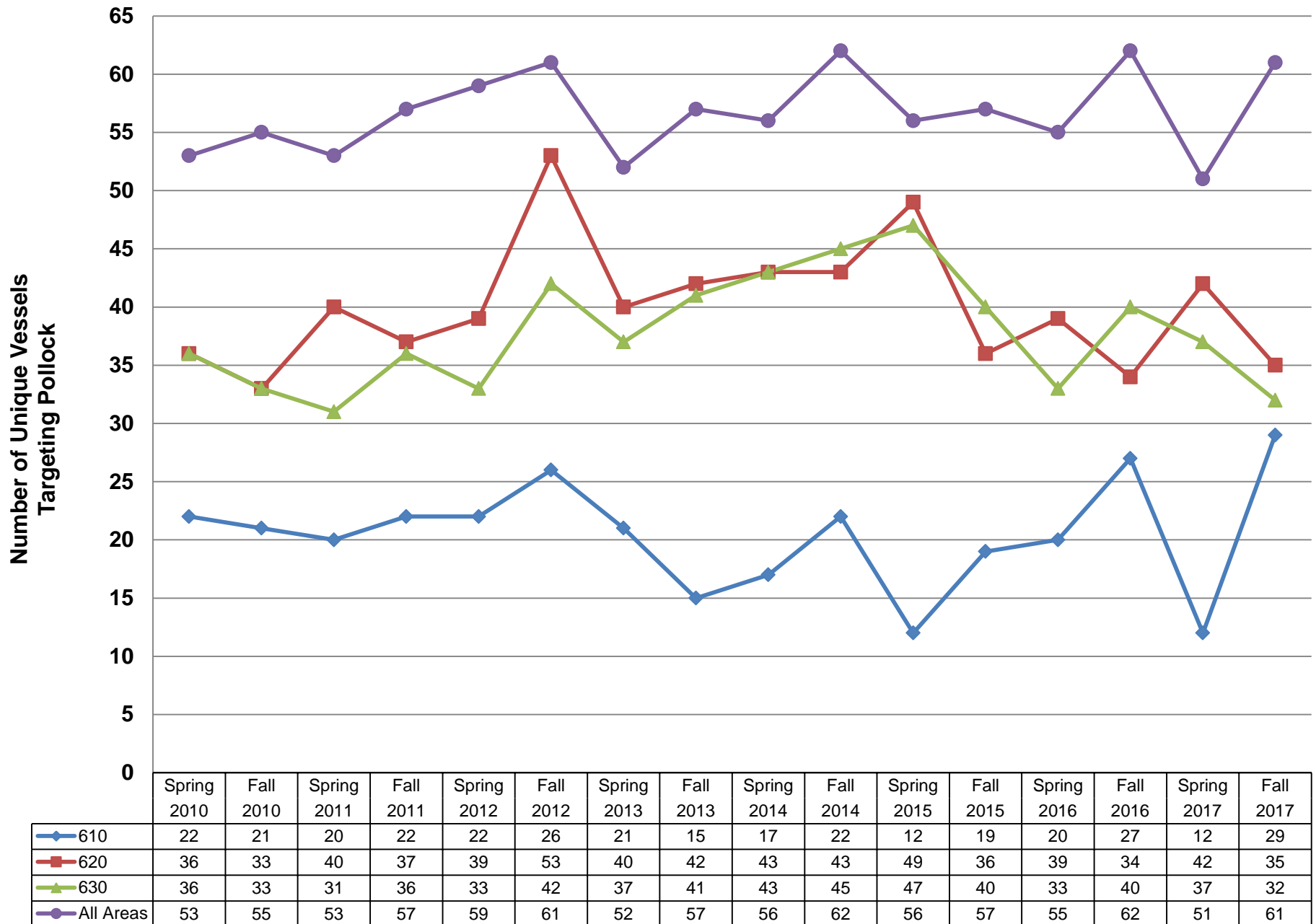
2017 Gulf of Alaska Pollock Directed Fishery



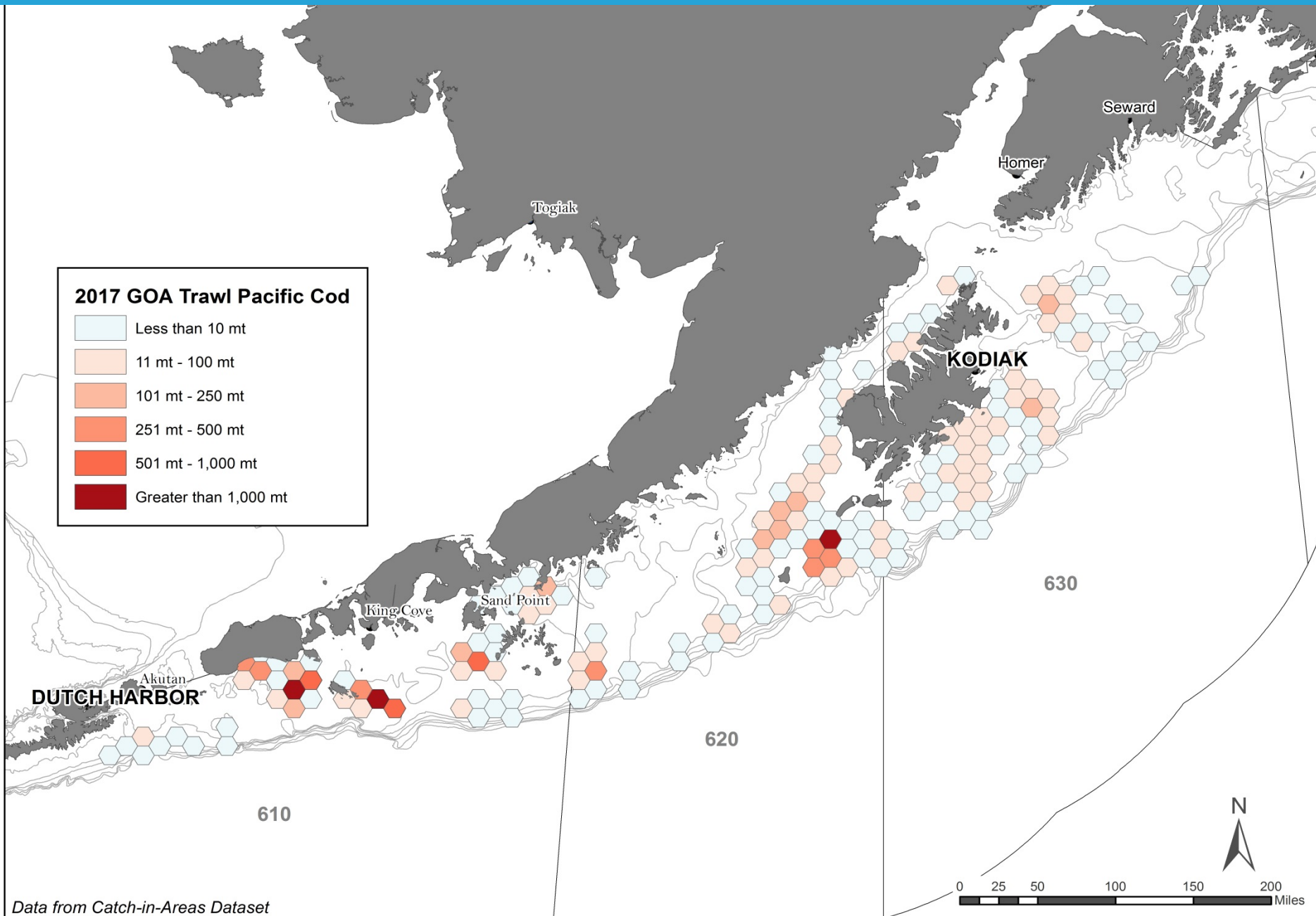
2017 Pollock Catch in the GOA



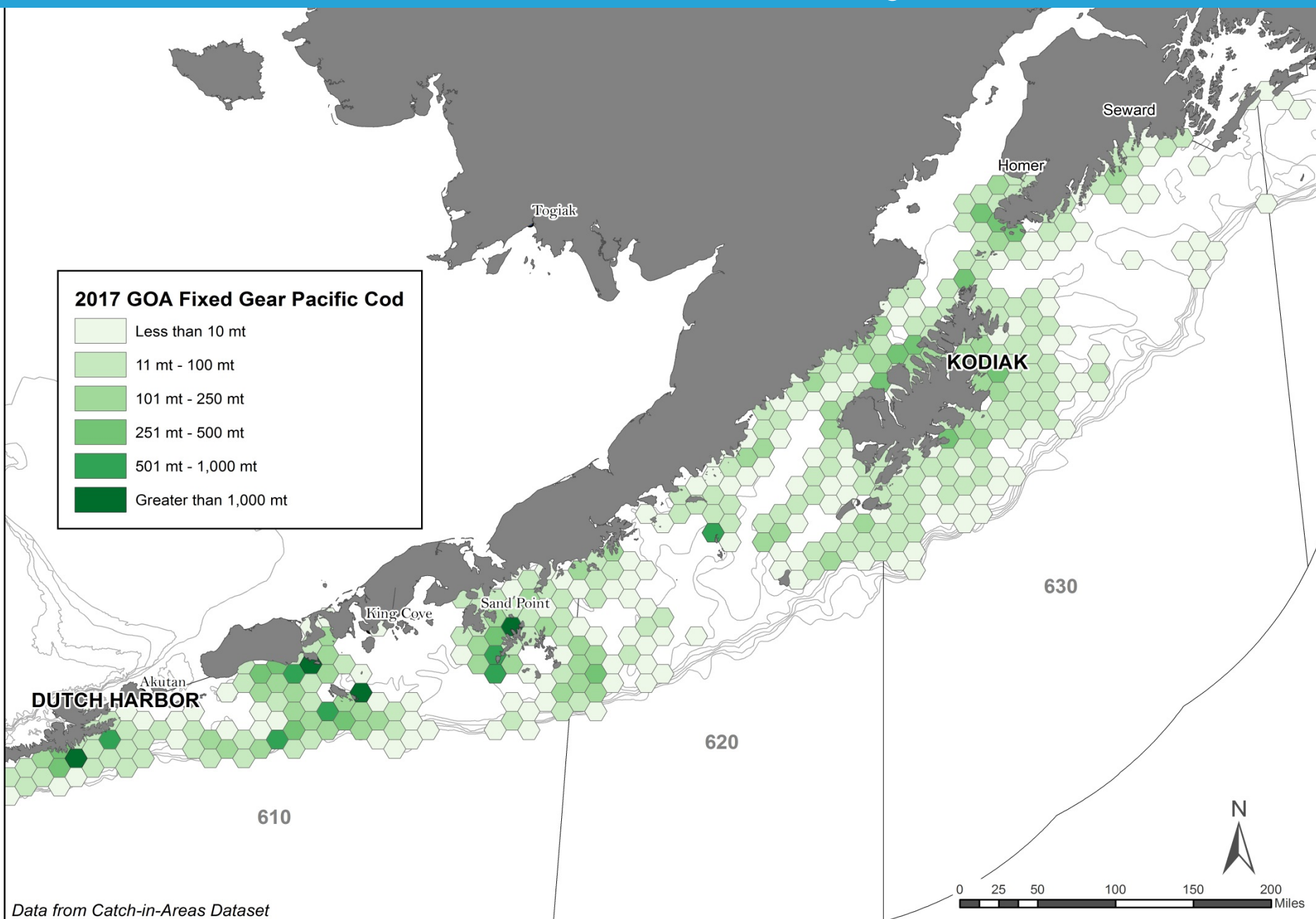
2010 – 2017 Counts of Vessels Targeting GOA Pollock



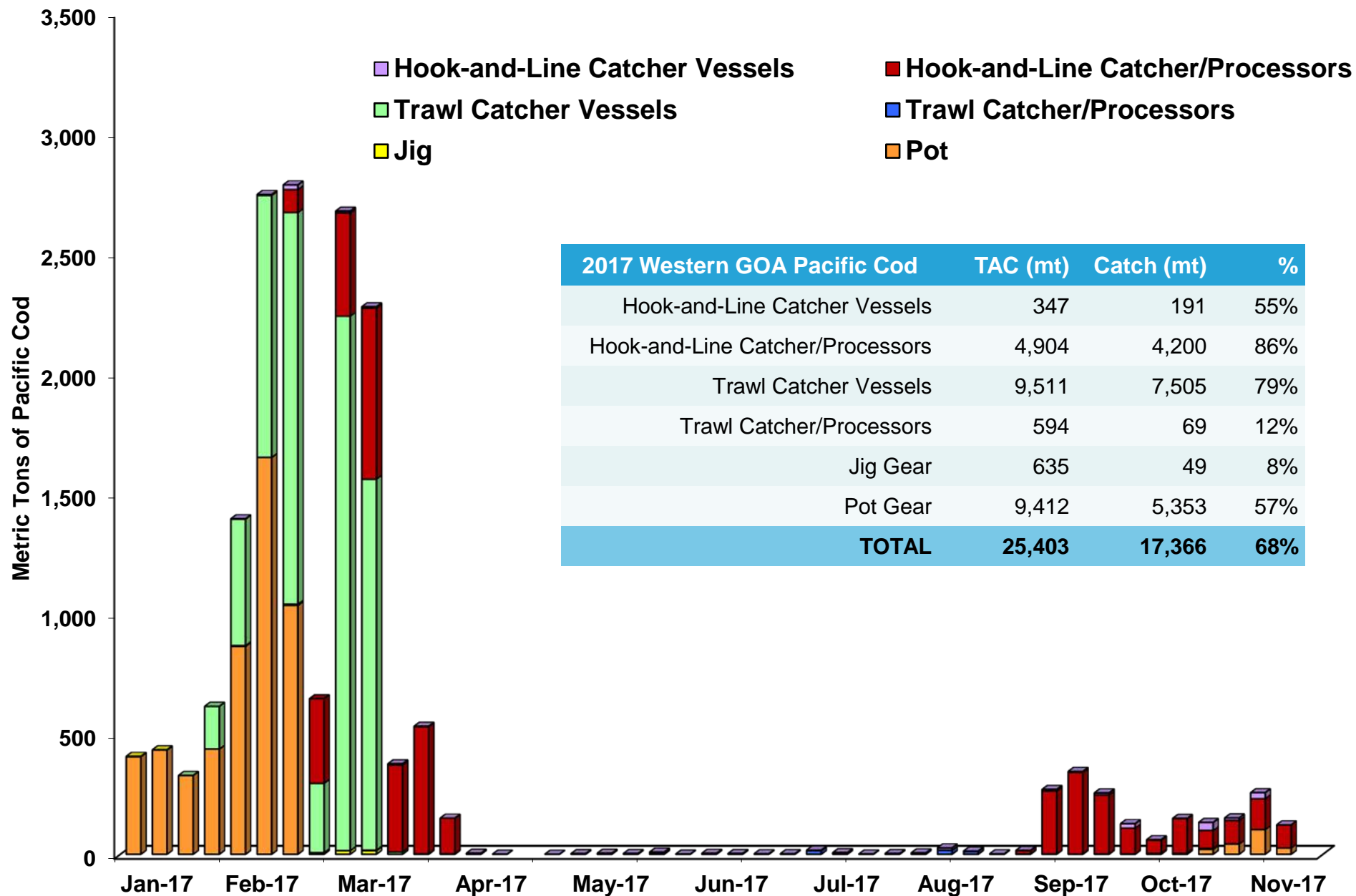
2017 Gulf of Alaska Pacific Cod Catch by Trawl Gear



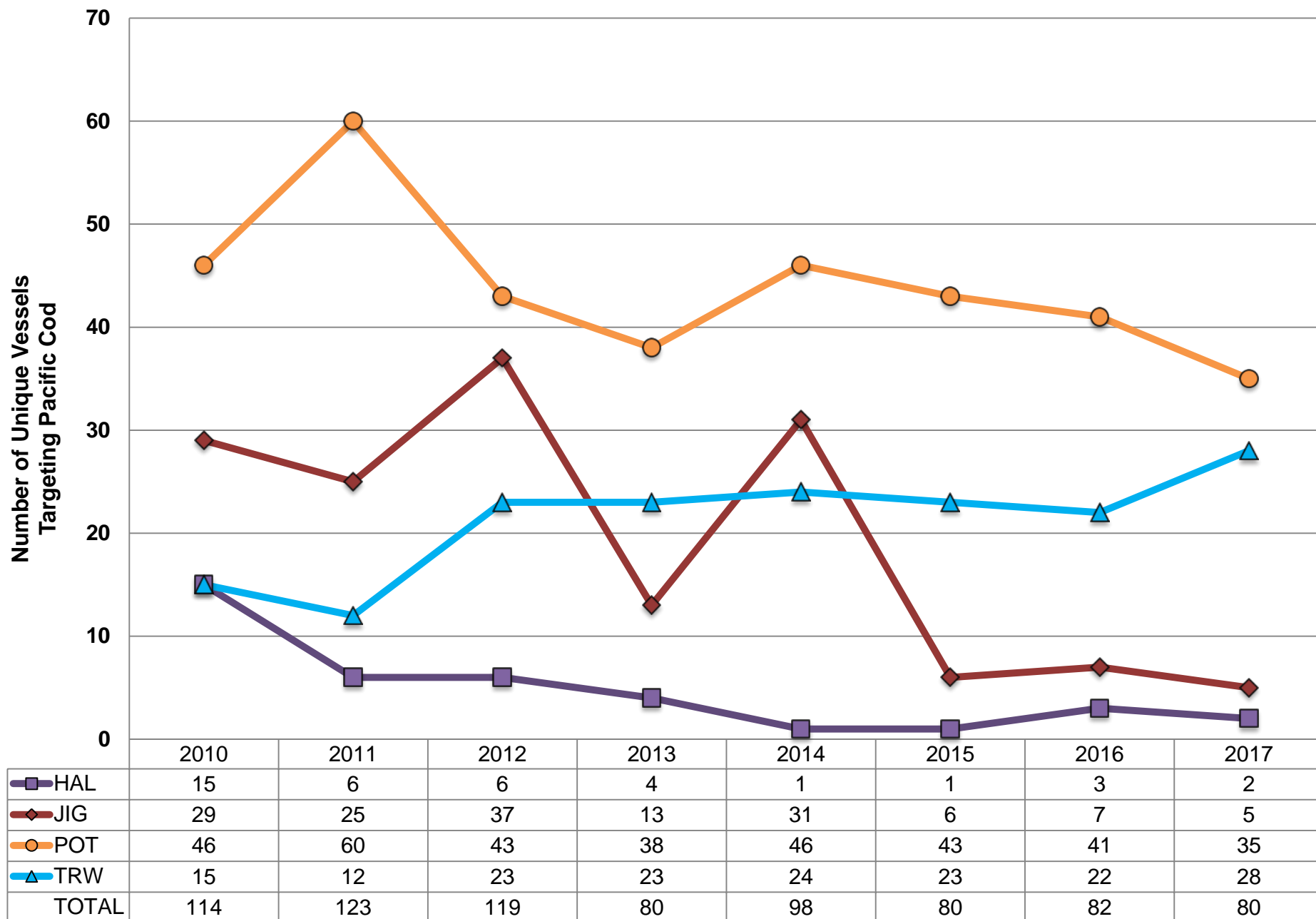
2017 Gulf of Alaska Pacific Cod Catch by Non-Trawl Gear



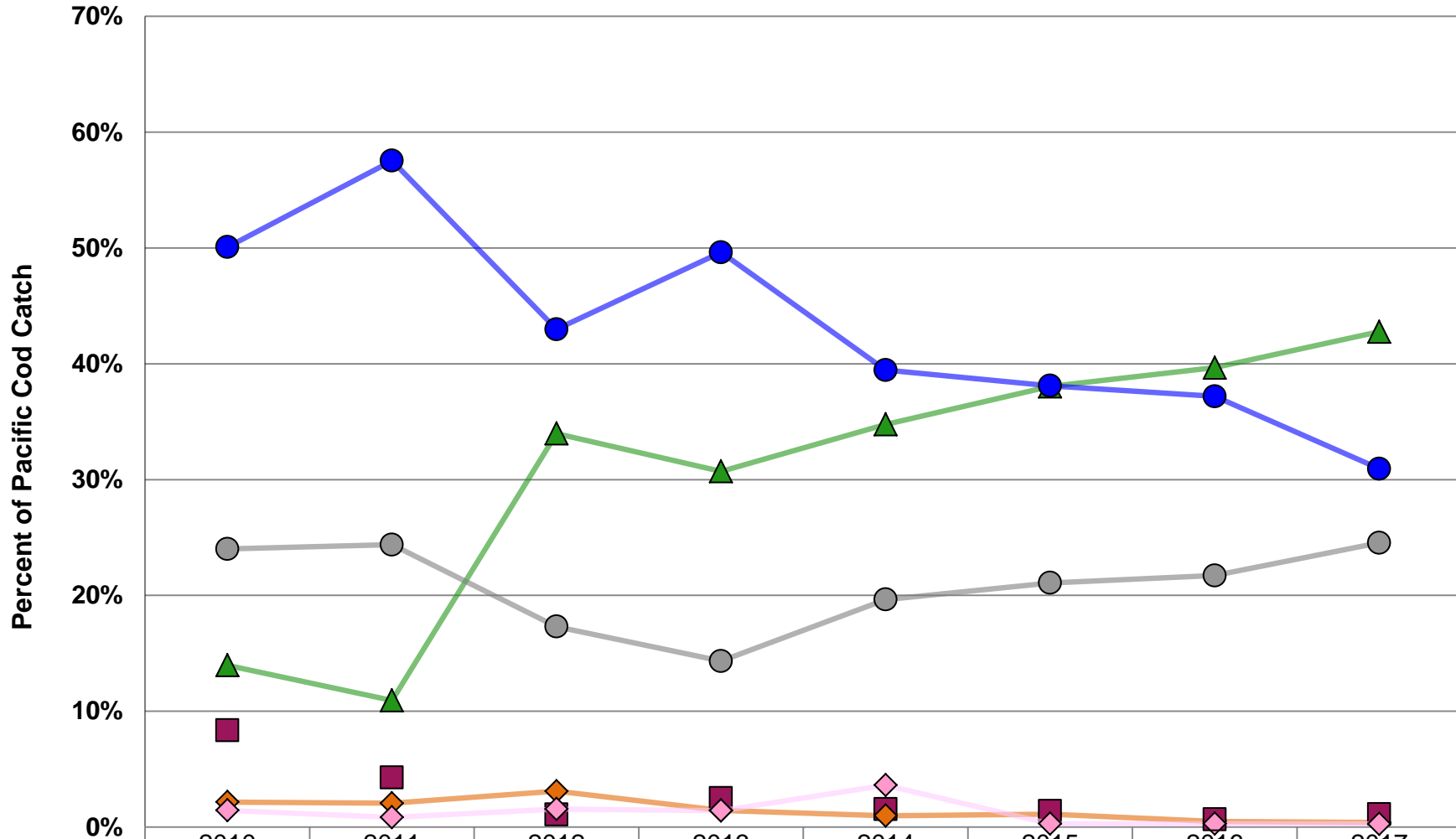
2017 Western GOA Pacific Cod Catch by Week and Sector



2010 – 2017 Counts of Vessels Targeting Western GOA Pacific Cod



2010 – 2017 Western GOA Pacific Cod Catch by Sector



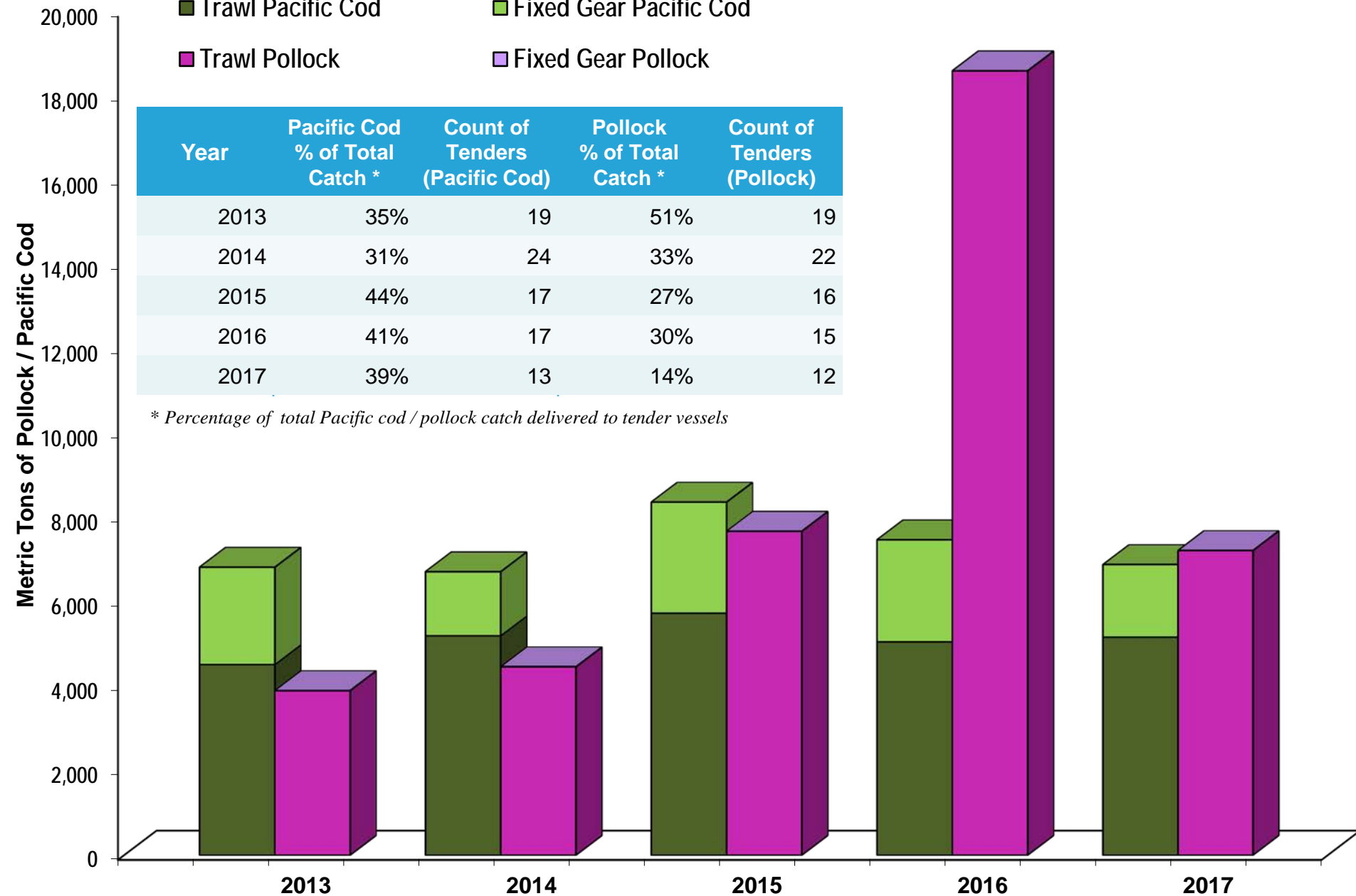
▲ Trawl (CV)	14%	11%	34%	31%	35%	38%	40%	43%
◆ Trawl (CP)	2%	2%	3%	1%	1%	1%	0%	0%
■ HAL (CV)	8%	4%	1%	2%	2%	1%	1%	1%
● Pot (CV)	50%	58%	43%	50%	39%	38%	37%	31%
◆ Jig (CV)	1%	1%	2%	1%	4%	0%	0%	0%
● Fixed Gear CP	24%	24%	17%	14%	20%	21%	22%	25%

Western GOA Tender Vessels Report

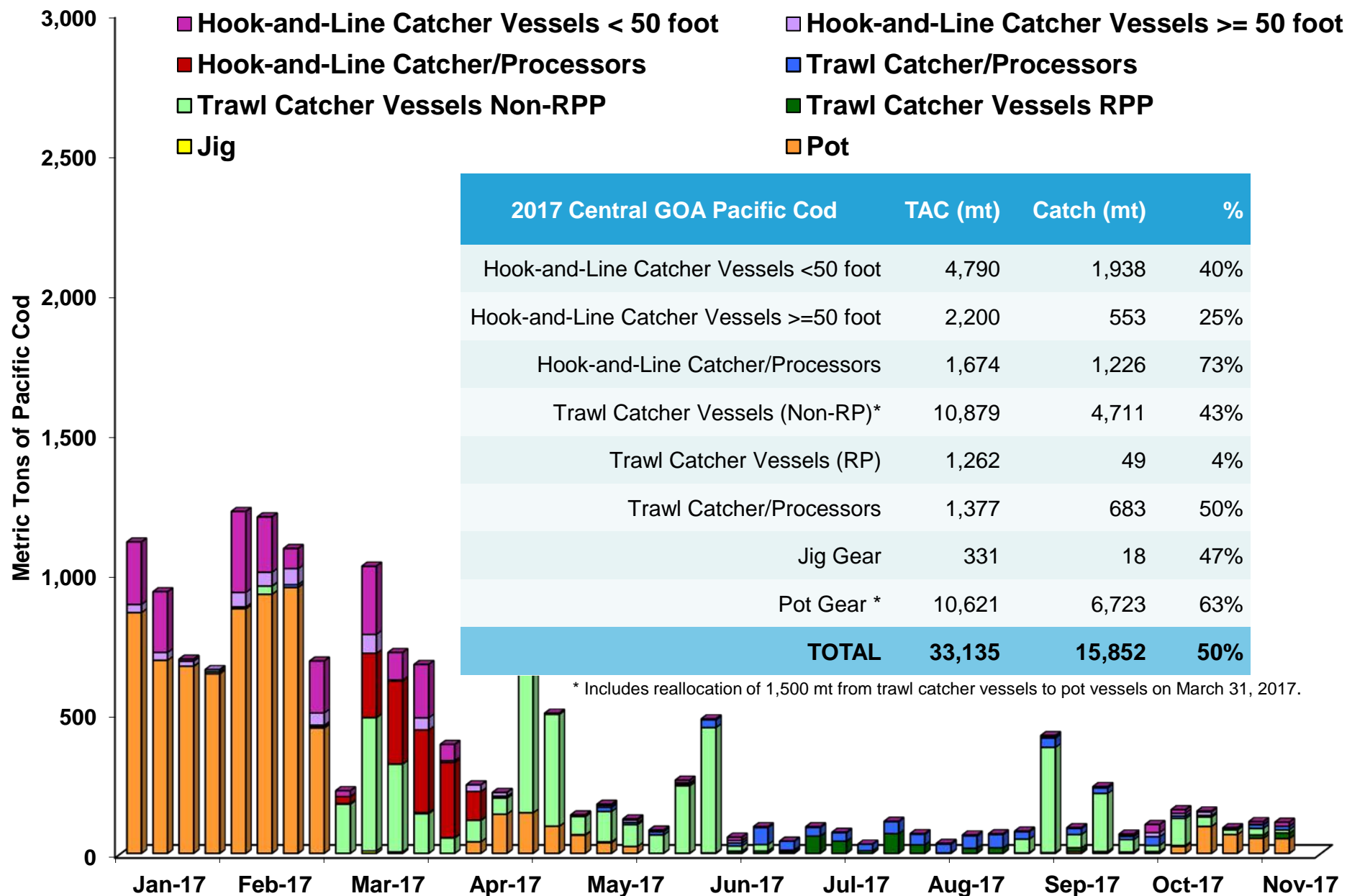
■ Trawl Pacific Cod
 ■ Fixed Gear Pacific Cod
 ■ Trawl Pollock
 ■ Fixed Gear Pollock

Year	Pacific Cod % of Total Catch *	Count of Tenders (Pacific Cod)	Pollock % of Total Catch *	Count of Tenders (Pollock)
2013	35%	19	51%	19
2014	31%	24	33%	22
2015	44%	17	27%	16
2016	41%	17	30%	15
2017	39%	13	14%	12

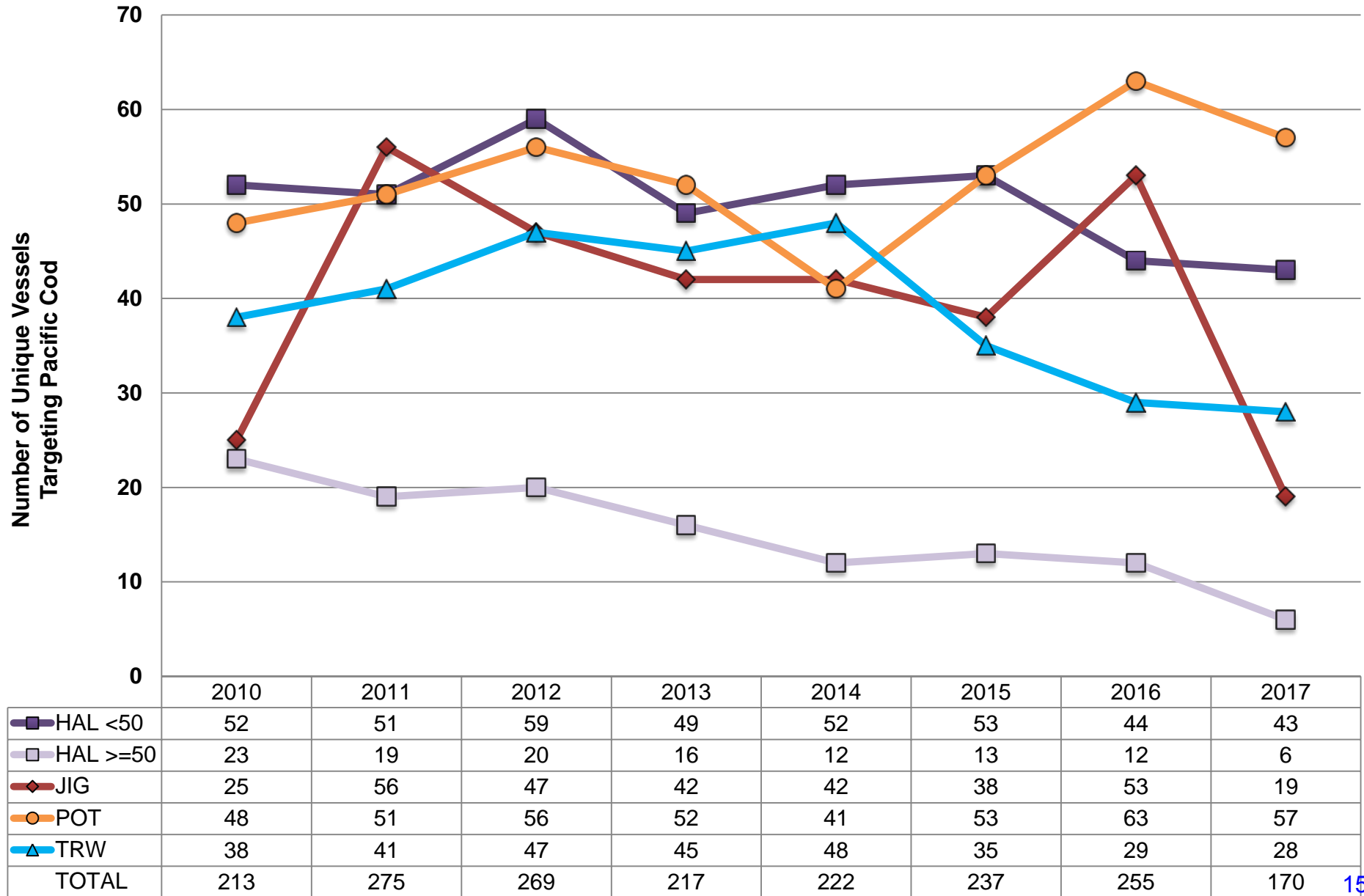
* Percentage of total Pacific cod / pollock catch delivered to tender vessels



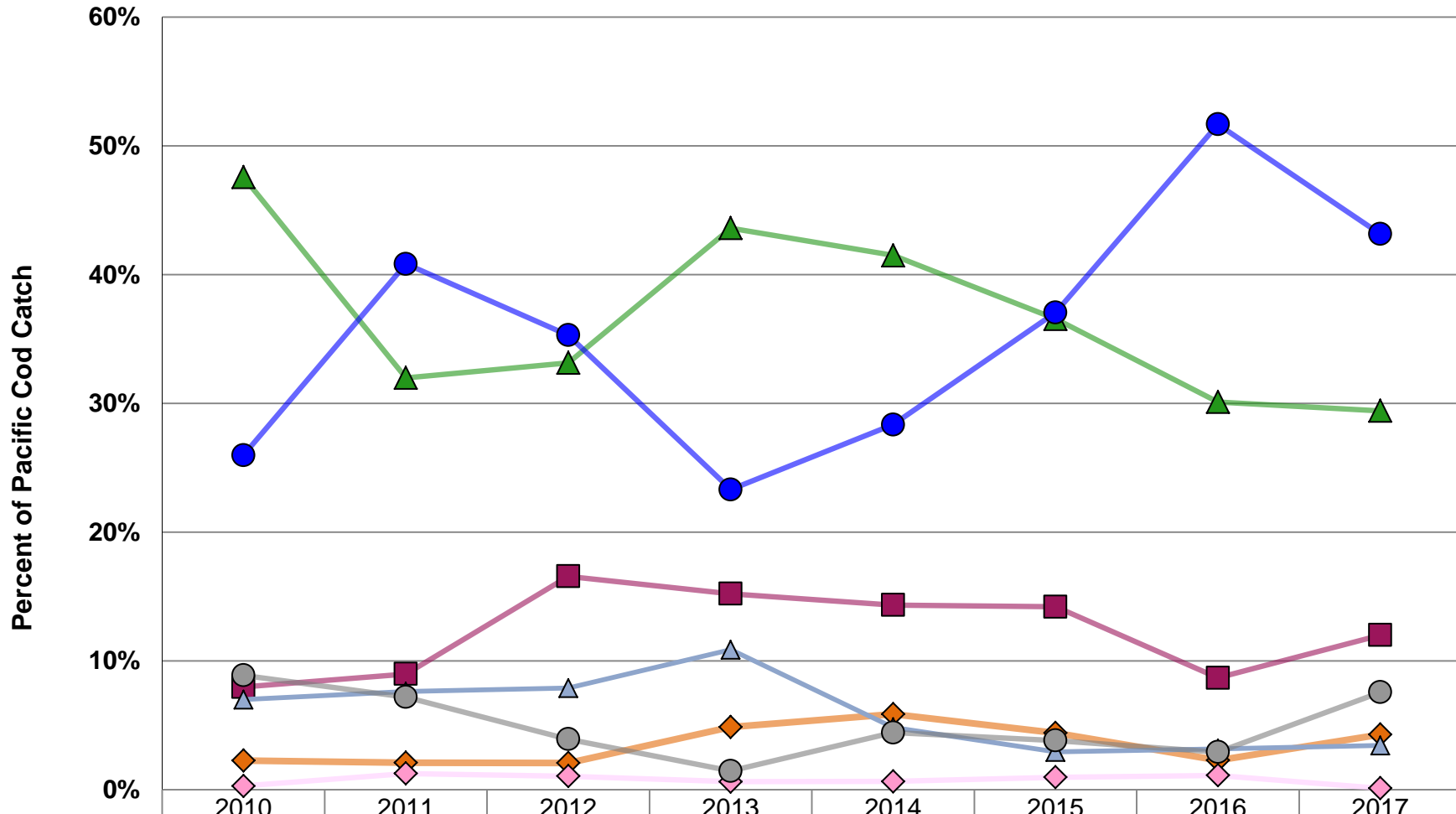
2017 Central GOA Pacific Cod Catch by Week and Sector



2010 – 2017 Counts of Vessels Targeting Central GOA Pacific Cod



2010 – 2017 Central GOA Pacific Cod Catch by Sector



	2010	2011	2012	2013	2014	2015	2016	2017
▲ Trawl (CV)	48%	32%	33%	44%	42%	37%	30%	29%
◆ Trawl (CP)	2%	2%	2%	5%	6%	4%	2%	4%
● Pot (CV)	26%	41%	35%	23%	28%	37%	52%	43%
◆ Jig (CV)	0%	1%	1%	1%	1%	1%	1%	0%
■ HAL <50 CV	8%	9%	17%	15%	14%	14%	9%	12%
▲ HAL >= 50 CV	7%	8%	8%	11%	5%	3%	3%	3%
● Fixed Gear (CP)	9%	7%	4%	1%	4%	4%	3%	8%

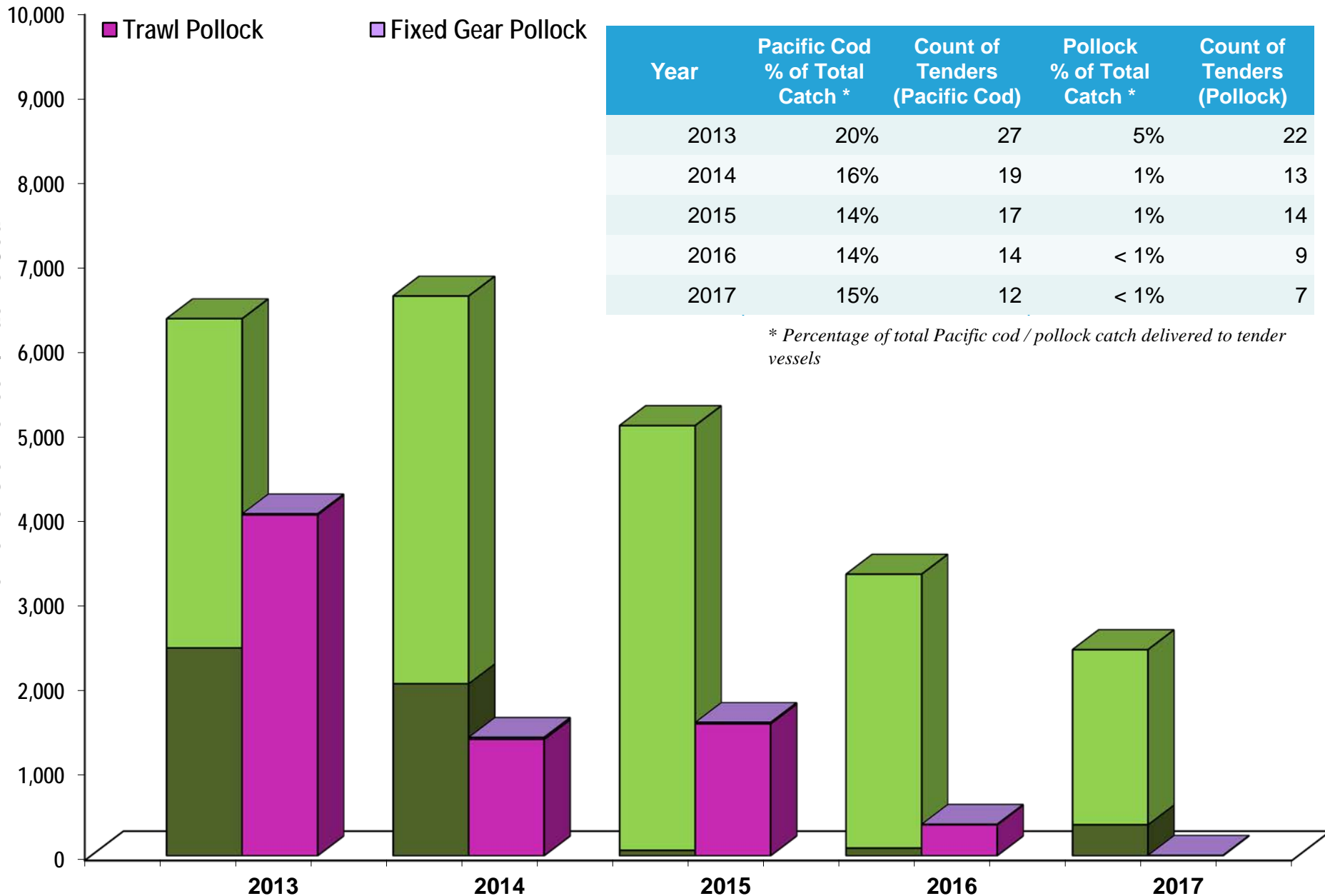
Central GOA Tender Vessels Report

■ Trawl Pacific Cod
 ■ Fixed Gear Pacific Cod
 ■ Trawl Pollock
 ■ Fixed Gear Pollock

Year	Pacific Cod % of Total Catch *	Count of Tenders (Pacific Cod)	Pollock % of Total Catch *	Count of Tenders (Pollock)
2013	20%	27	5%	22
2014	16%	19	1%	13
2015	14%	17	1%	14
2016	14%	14	< 1%	9
2017	15%	12	< 1%	7

** Percentage of total Pacific cod / pollock catch delivered to tender vessels*

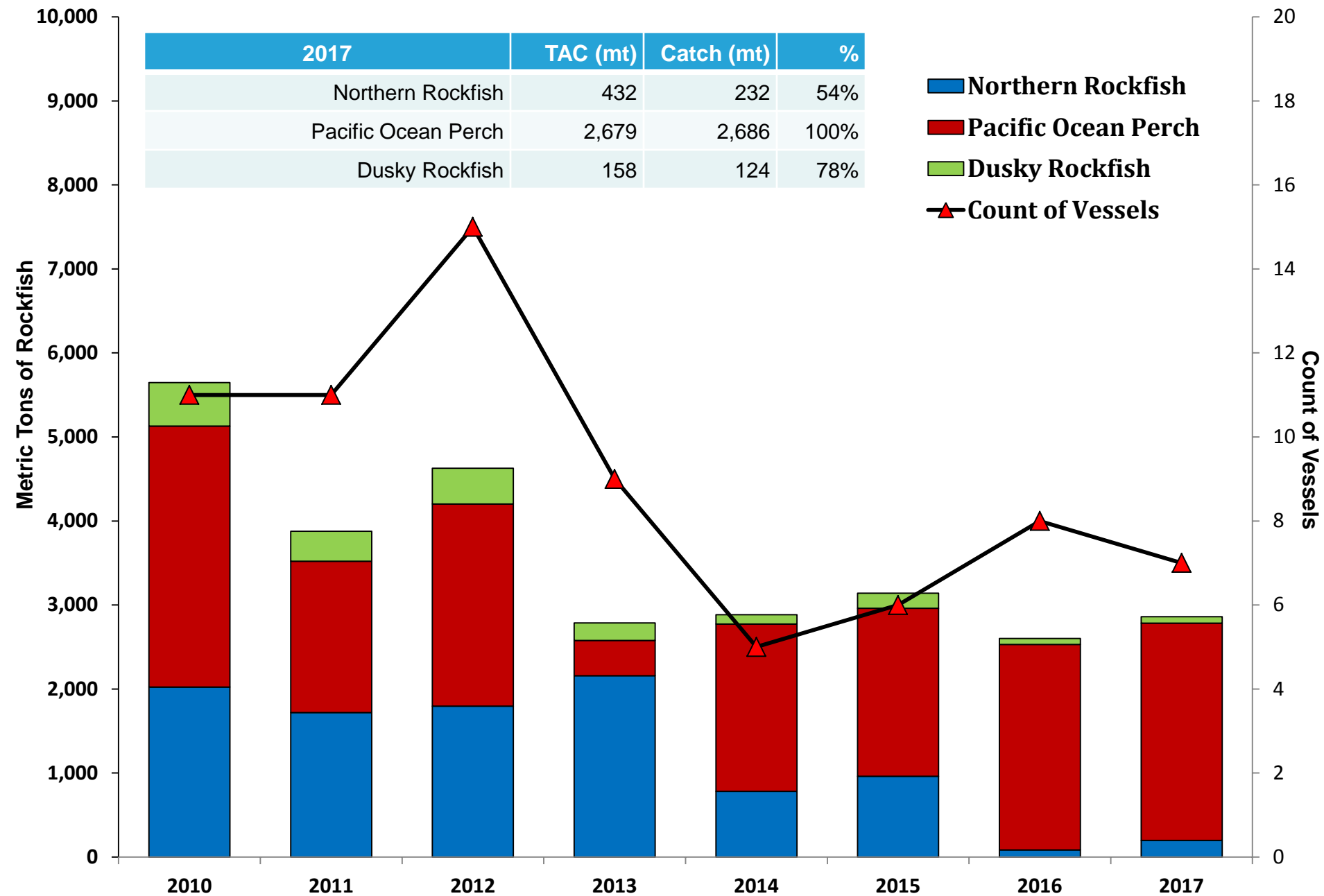
Metric Tons of Pollock / Pacific Cod



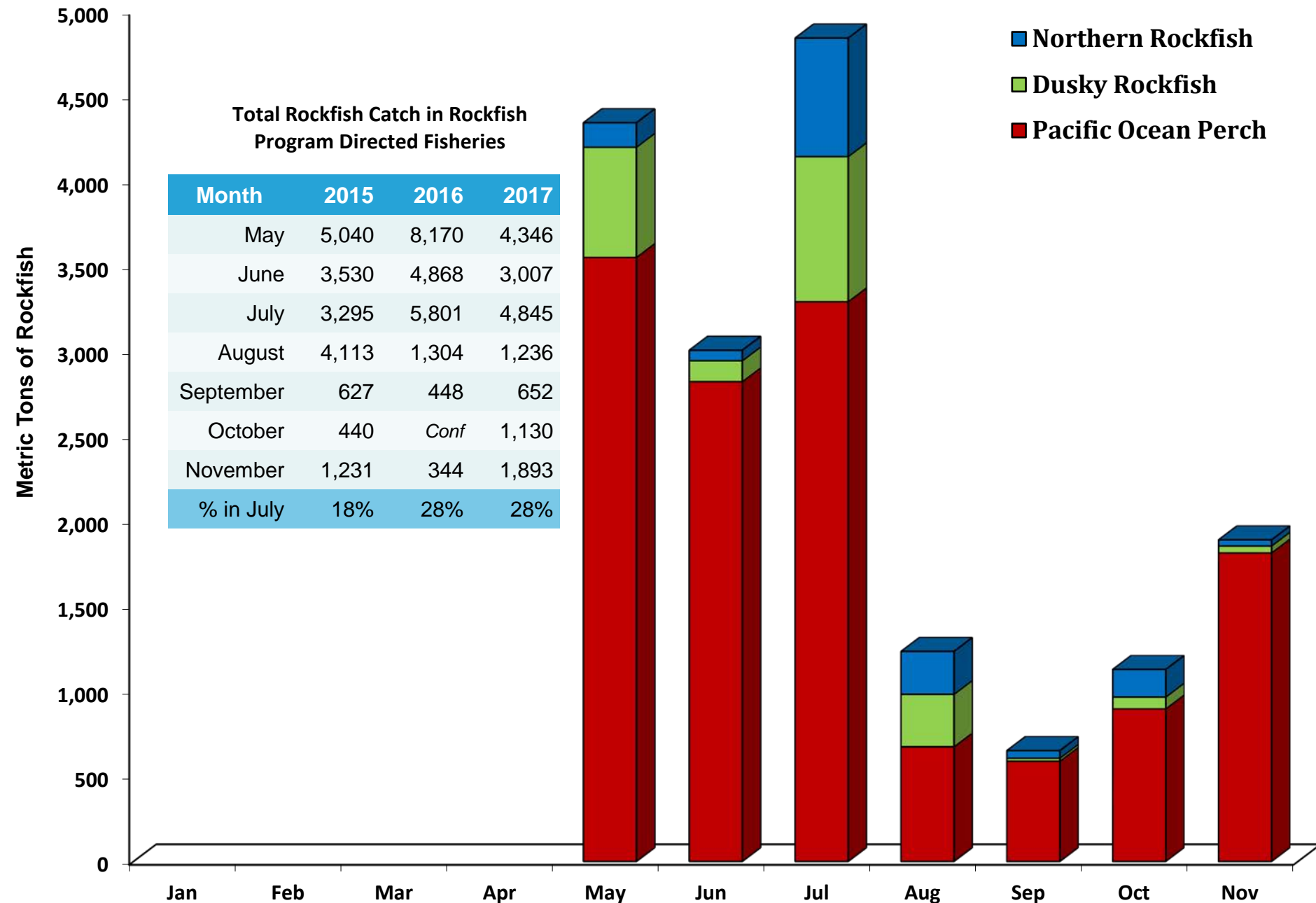
Western GOA Trawl Rockfish Fishery

2017	TAC (mt)	Catch (mt)	%
Northern Rockfish	432	232	54%
Pacific Ocean Perch	2,679	2,686	100%
Dusky Rockfish	158	124	78%

- Northern Rockfish
- Pacific Ocean Perch
- Dusky Rockfish
- ▲— Count of Vessels

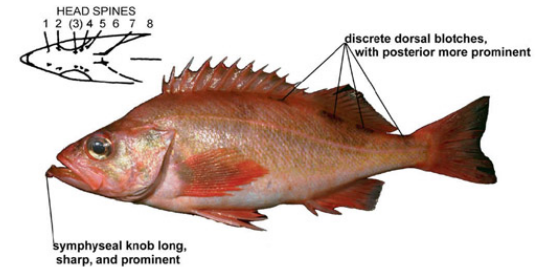


2017 Central GOA Trawl Rockfish Program Fishery by Month

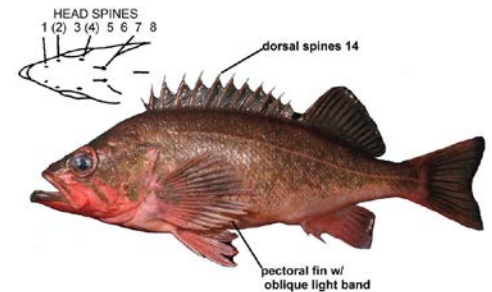


2017 Rockfish Program Allocations and Catch

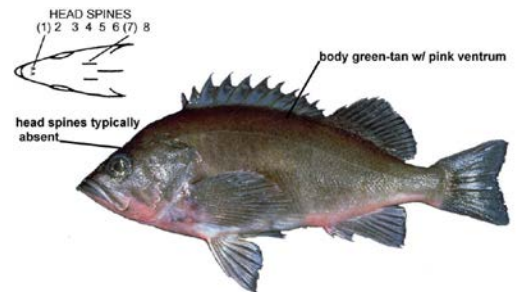
Species	Limit (mt)	Catch (mt)	%
Entry level Fixed Gear			
Pacific Ocean Perch	5	0	0%
Northern Rockfish	5	0	0%
Dusky Rockfish	50	16	31%
Cooperatives			
Pacific Ocean Perch	14,666	13,972	95%
Northern Rockfish	3,049	1,432	47%
Dusky Rockfish	3,486	2,174	62%
Pacific Cod	1,262	52	4%
Sablefish	464	426	92%
Thornyhead Rockfish	339	276	81%
Shortraker Rockfish	120	confidential	confidential
Rougheye Rockfish	416	confidential	confidential
Pacific Halibut PSC	191	82	43%
Primary Species Central GOA Incidental Catch			
Pacific Ocean Perch	2,000	4,558	228%
Northern Rockfish	300	236	56%
Dusky Rockfish	250	278	111%



Pacific Ocean Perch

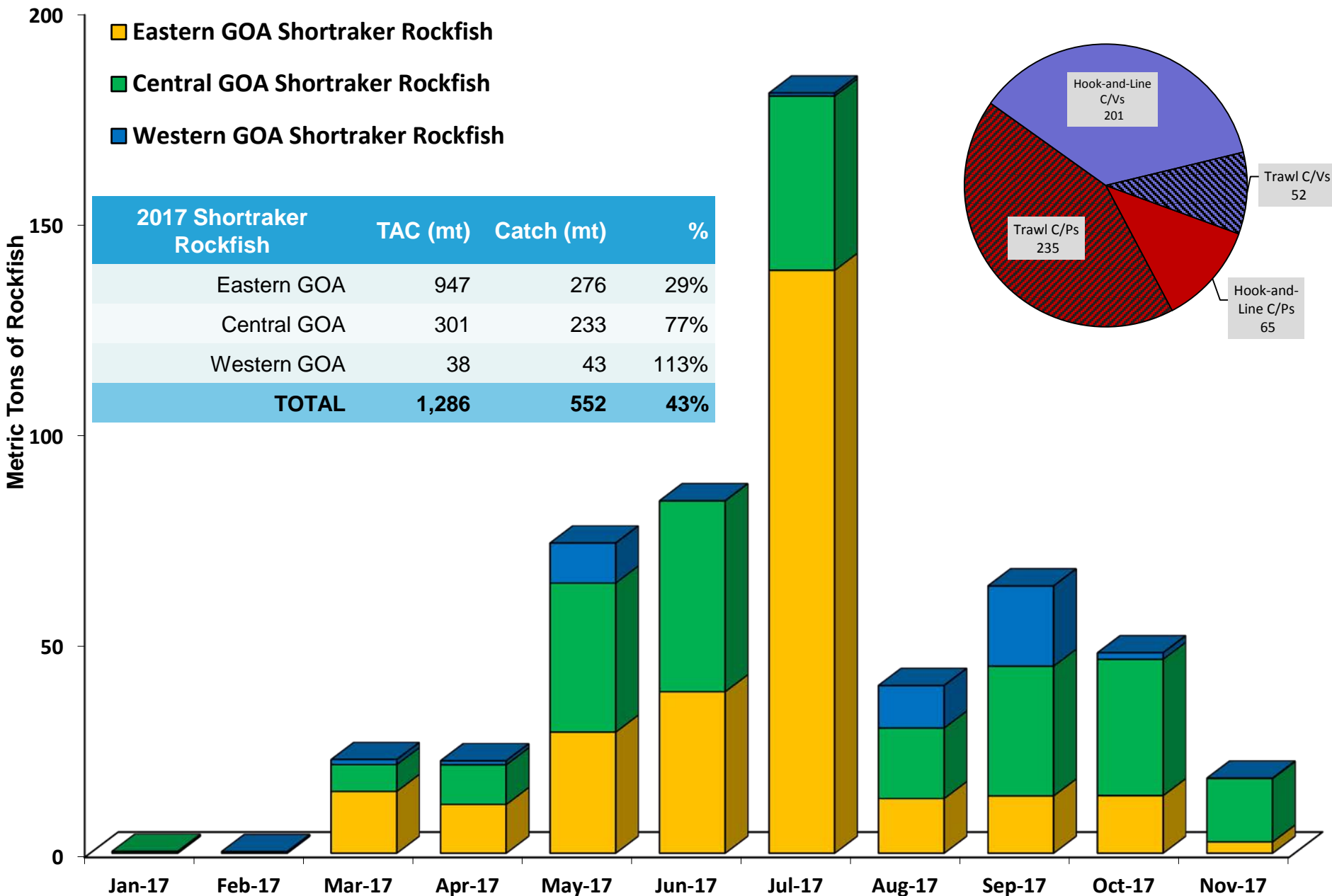


Northern Rockfish

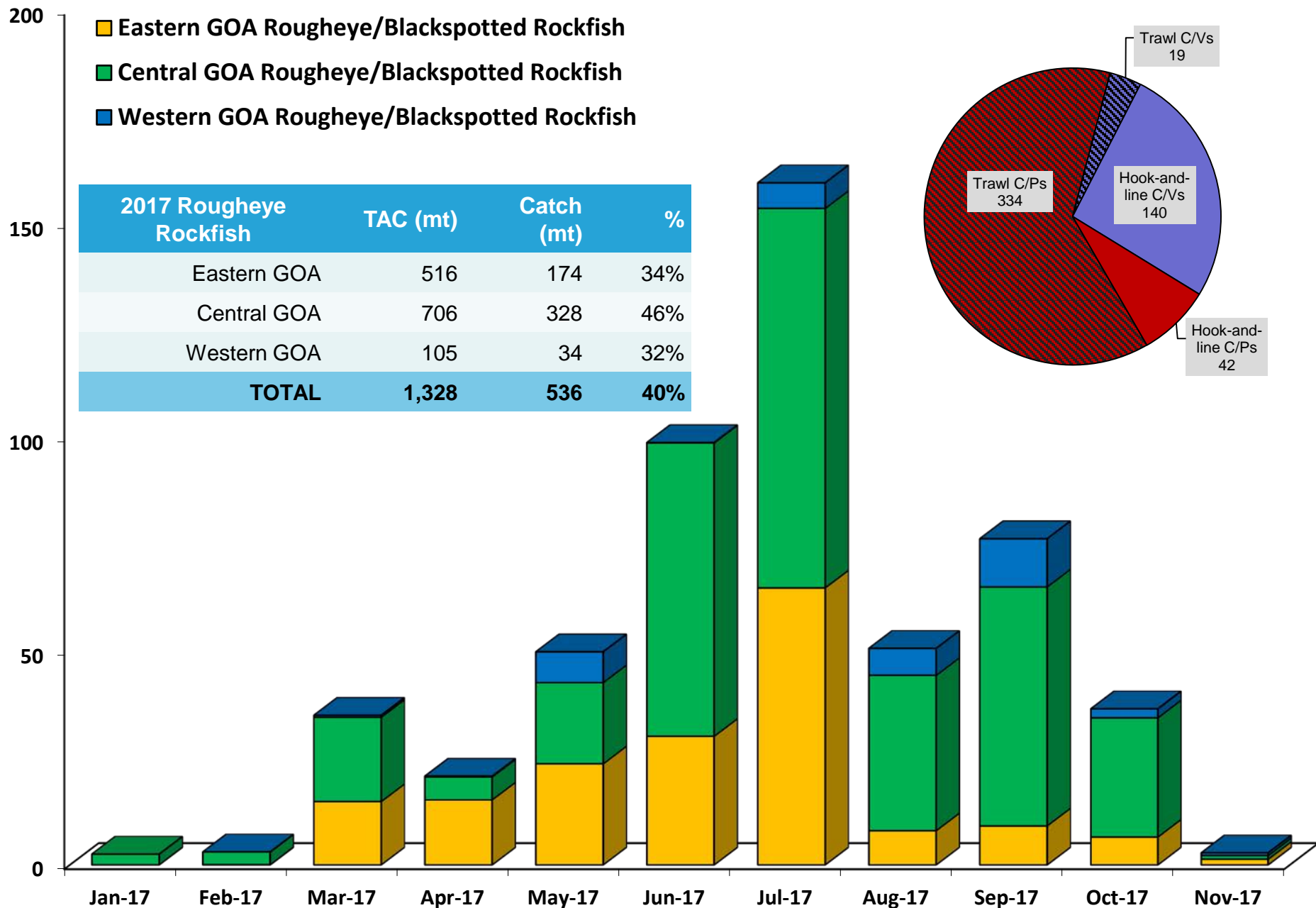


Dusky Rockfish

2017 GOA Shortraker Rockfish Catch



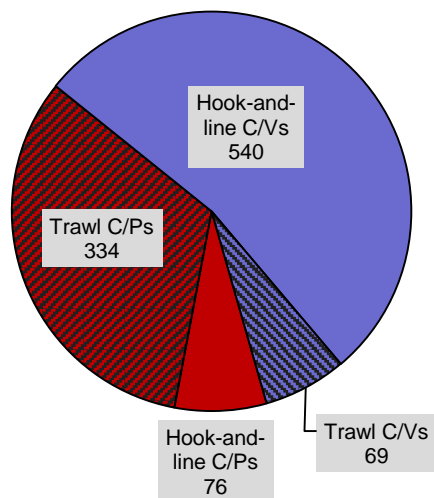
2017 GOA Roughey/Blackspotted Rockfish Catch



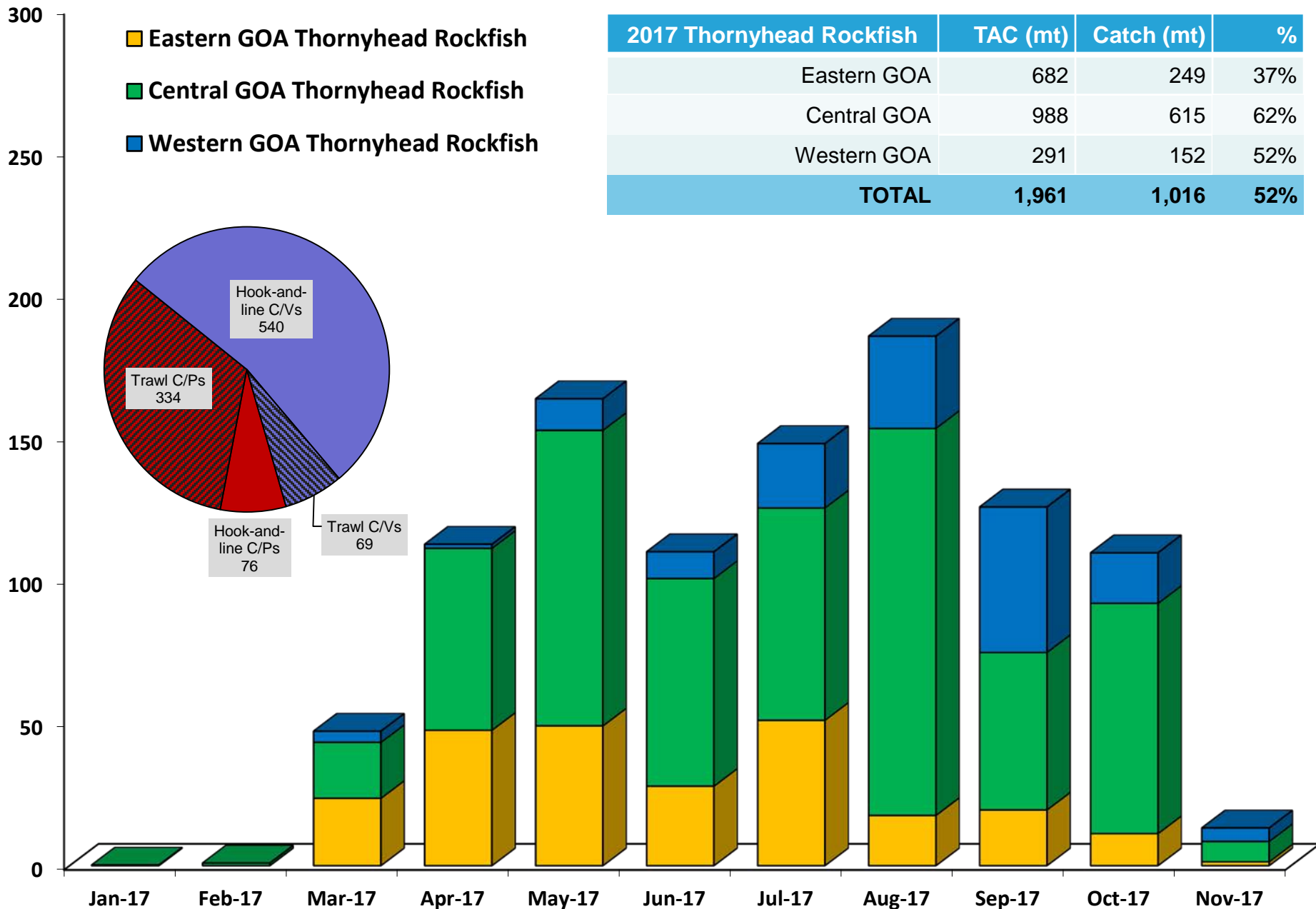
2017 GOA Thornyhead Rockfish Catch

- Eastern GOA Thornyhead Rockfish
- Central GOA Thornyhead Rockfish
- Western GOA Thornyhead Rockfish

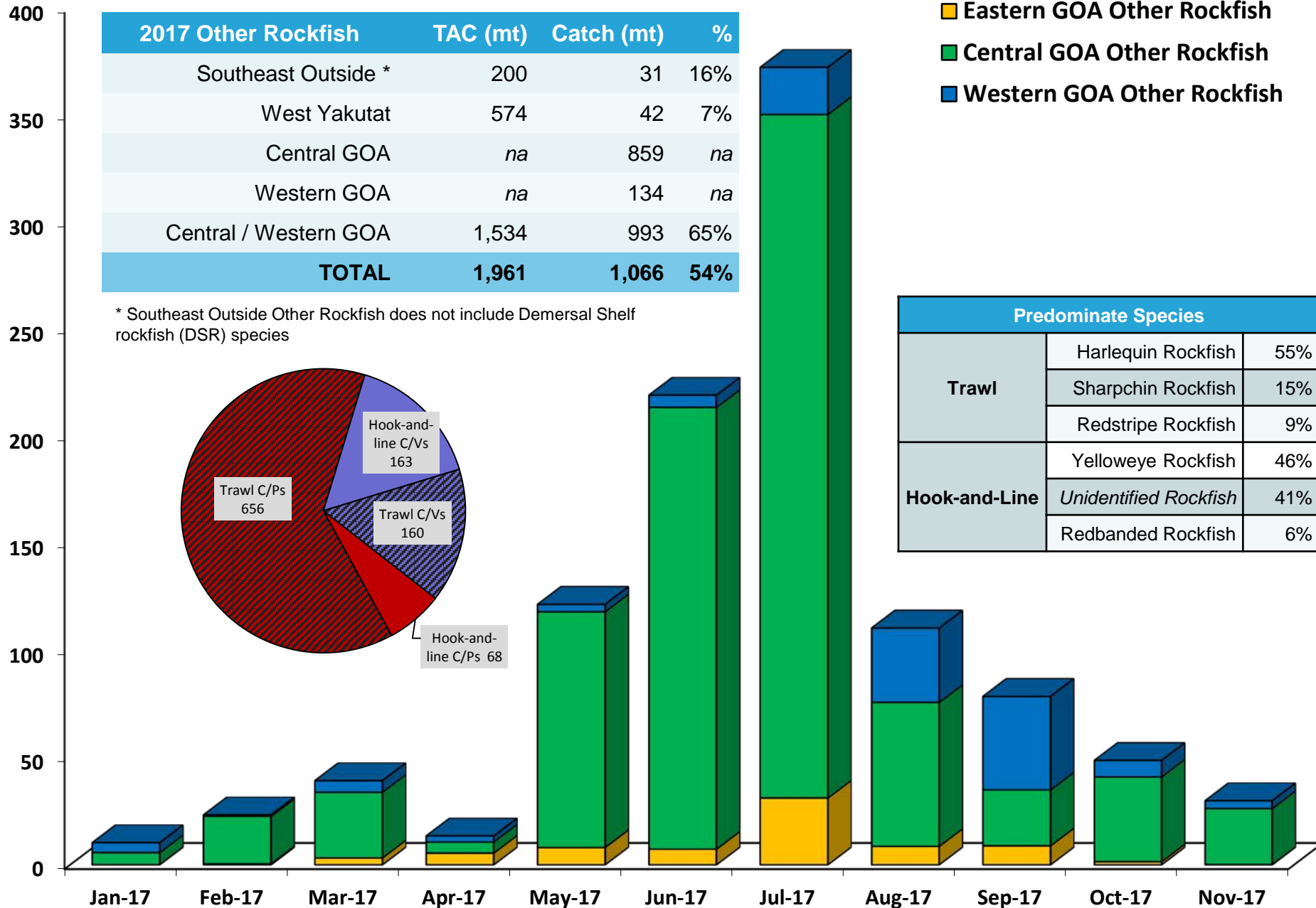
2017 Thornyhead Rockfish	TAC (mt)	Catch (mt)	%
Eastern GOA	682	249	37%
Central GOA	988	615	62%
Western GOA	291	152	52%
TOTAL	1,961	1,016	52%



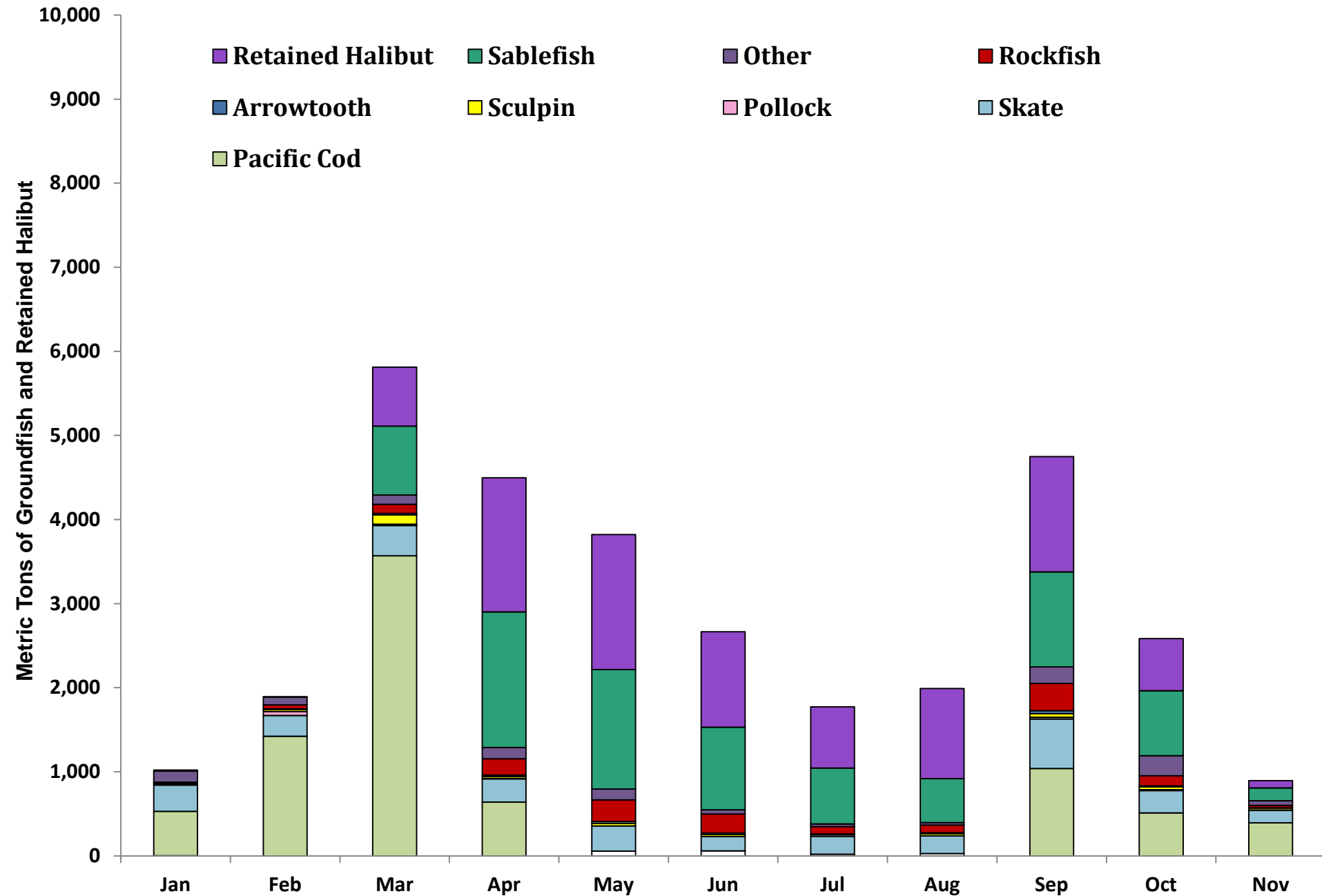
Metric Tons of Rockfish



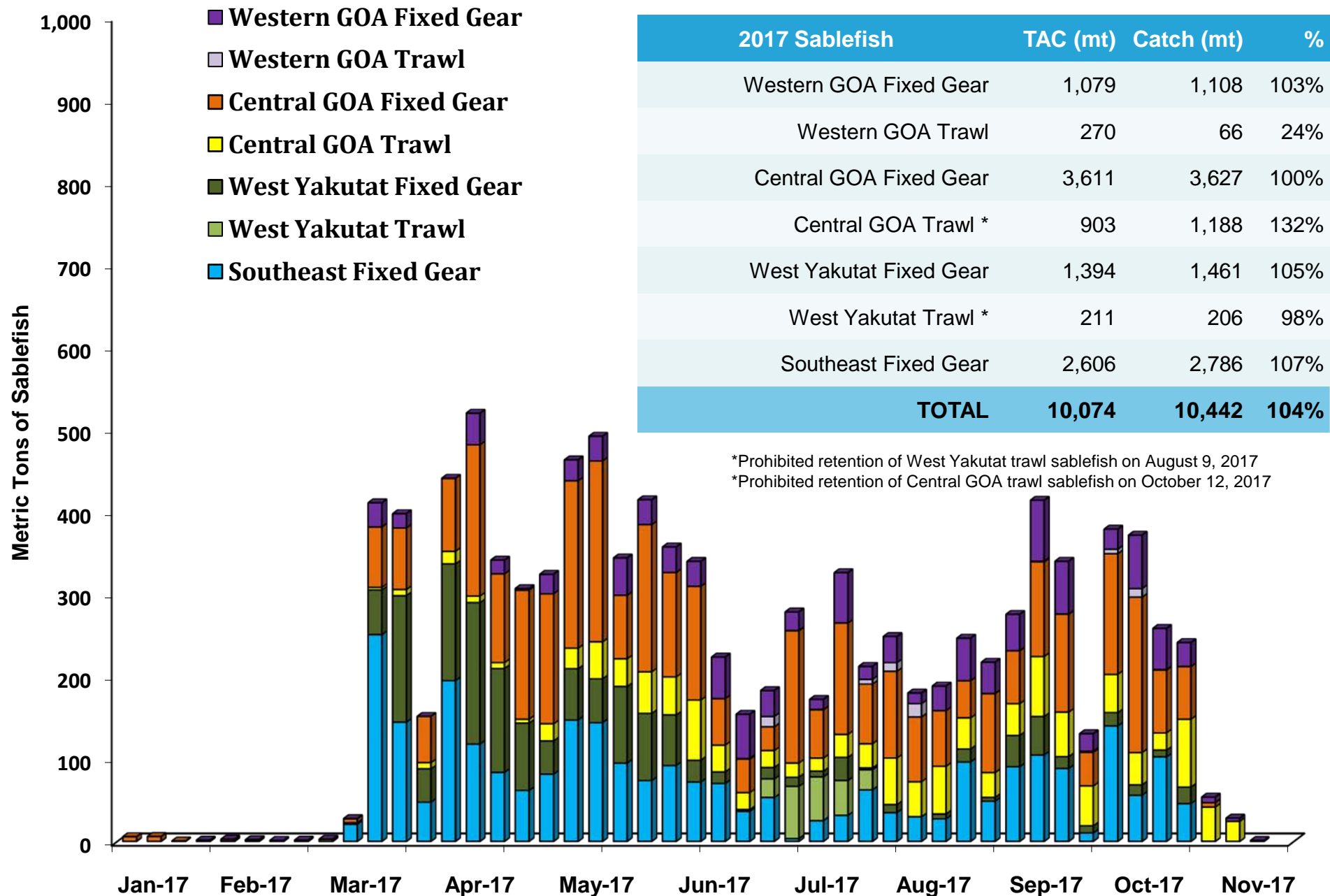
2017 GOA Other Rockfish Catch



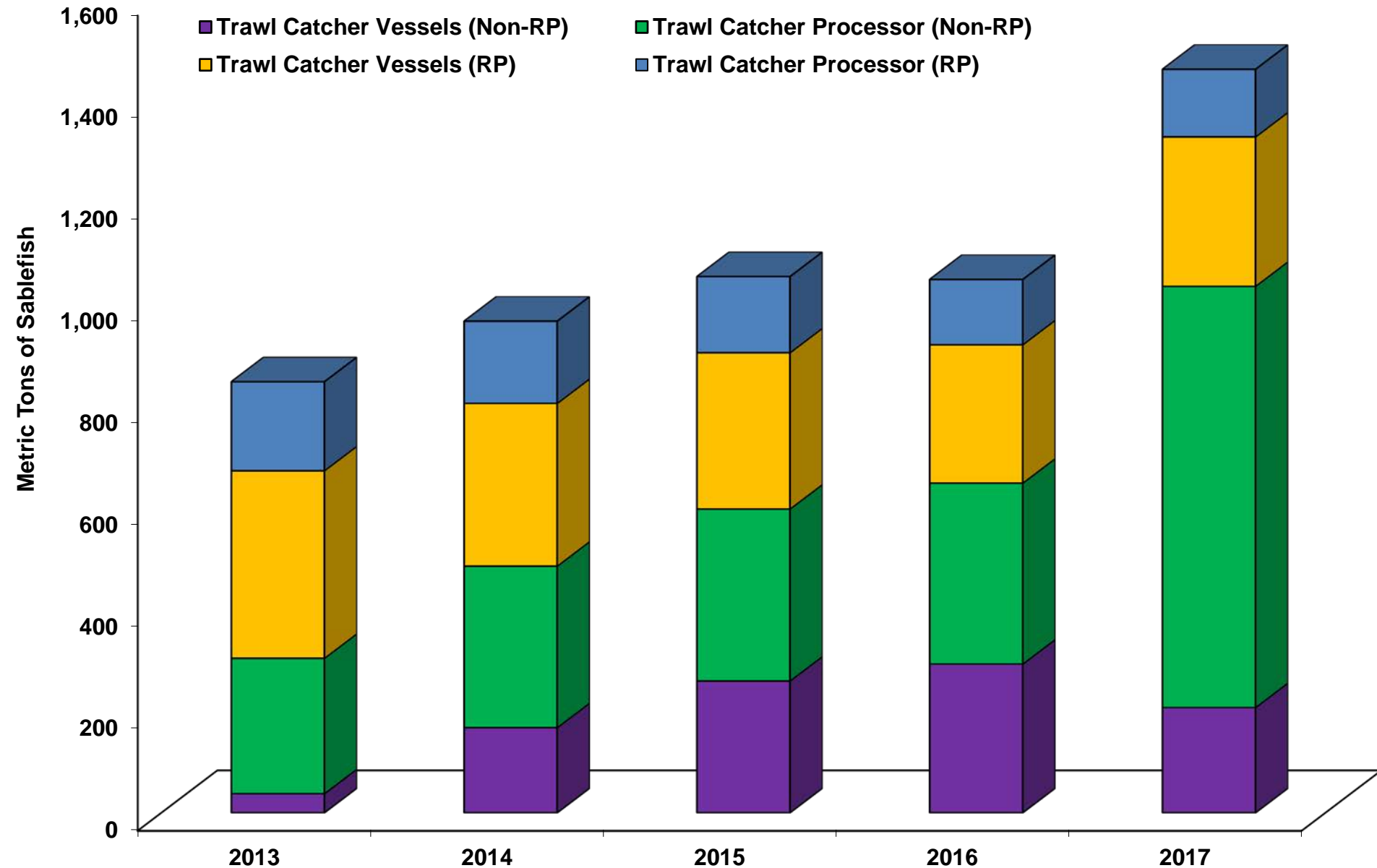
2017 GOA Hook-and-Line Catch



2017 GOA Sablefish Catch

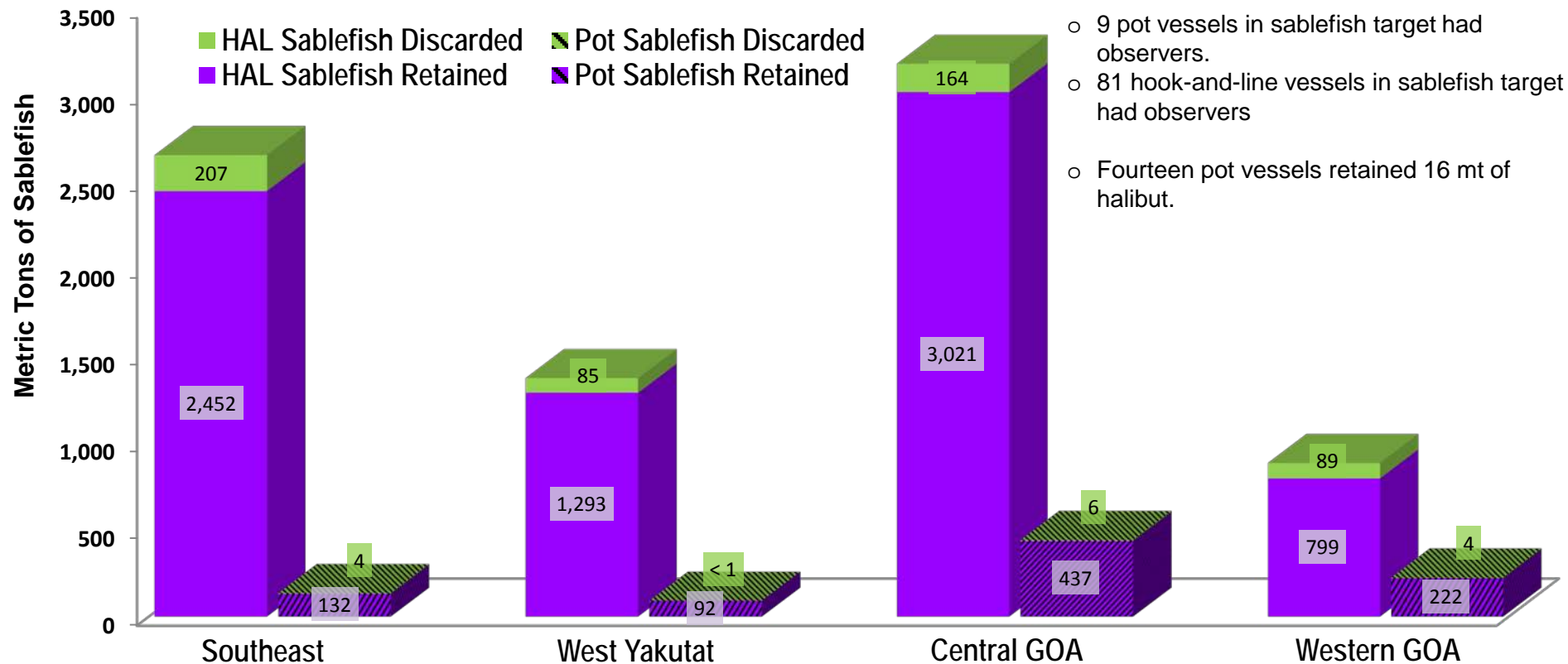


2013 – 2017 Sablefish catch by trawl vessels

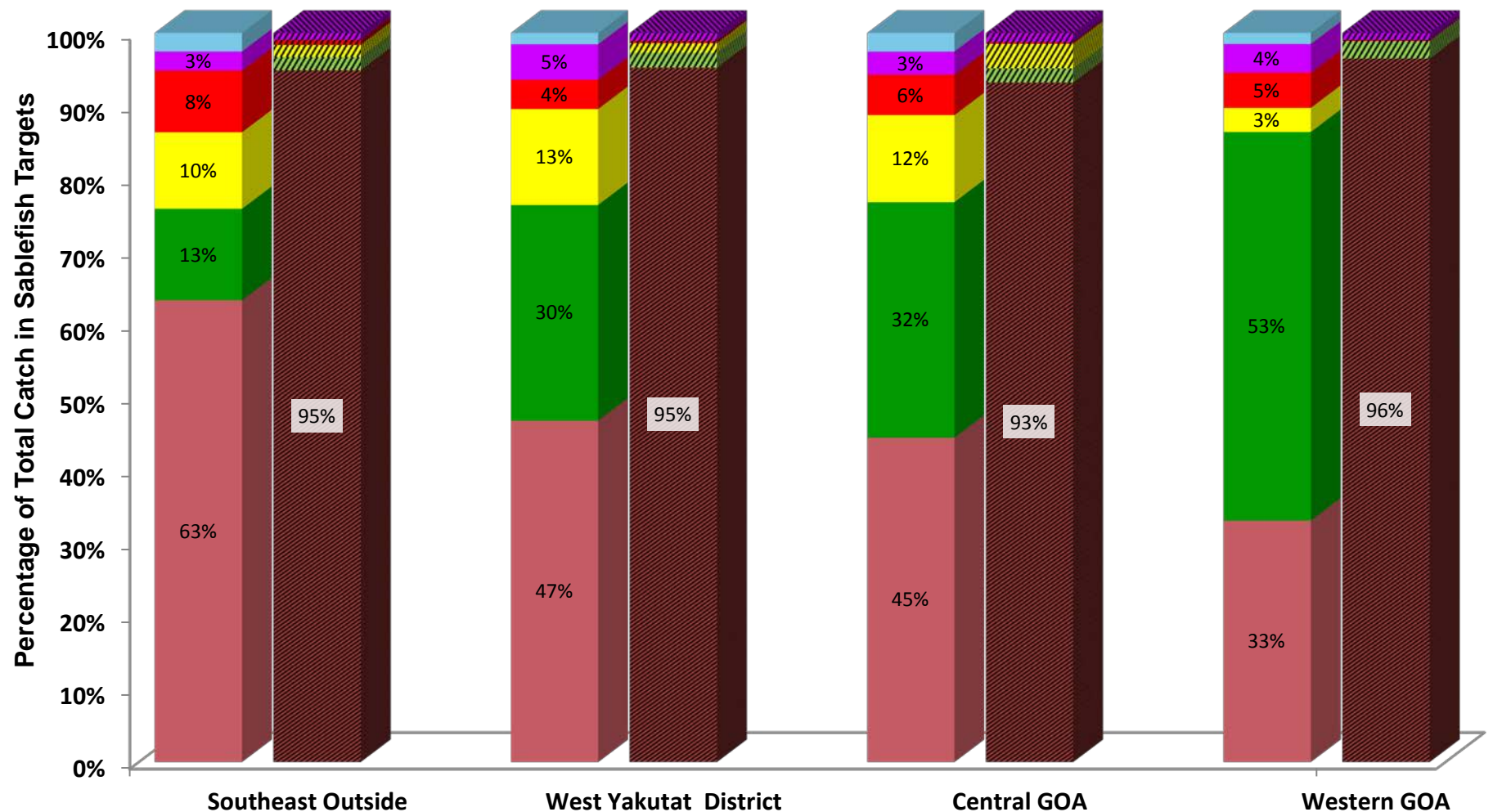


Sablefish by Fixed Gear

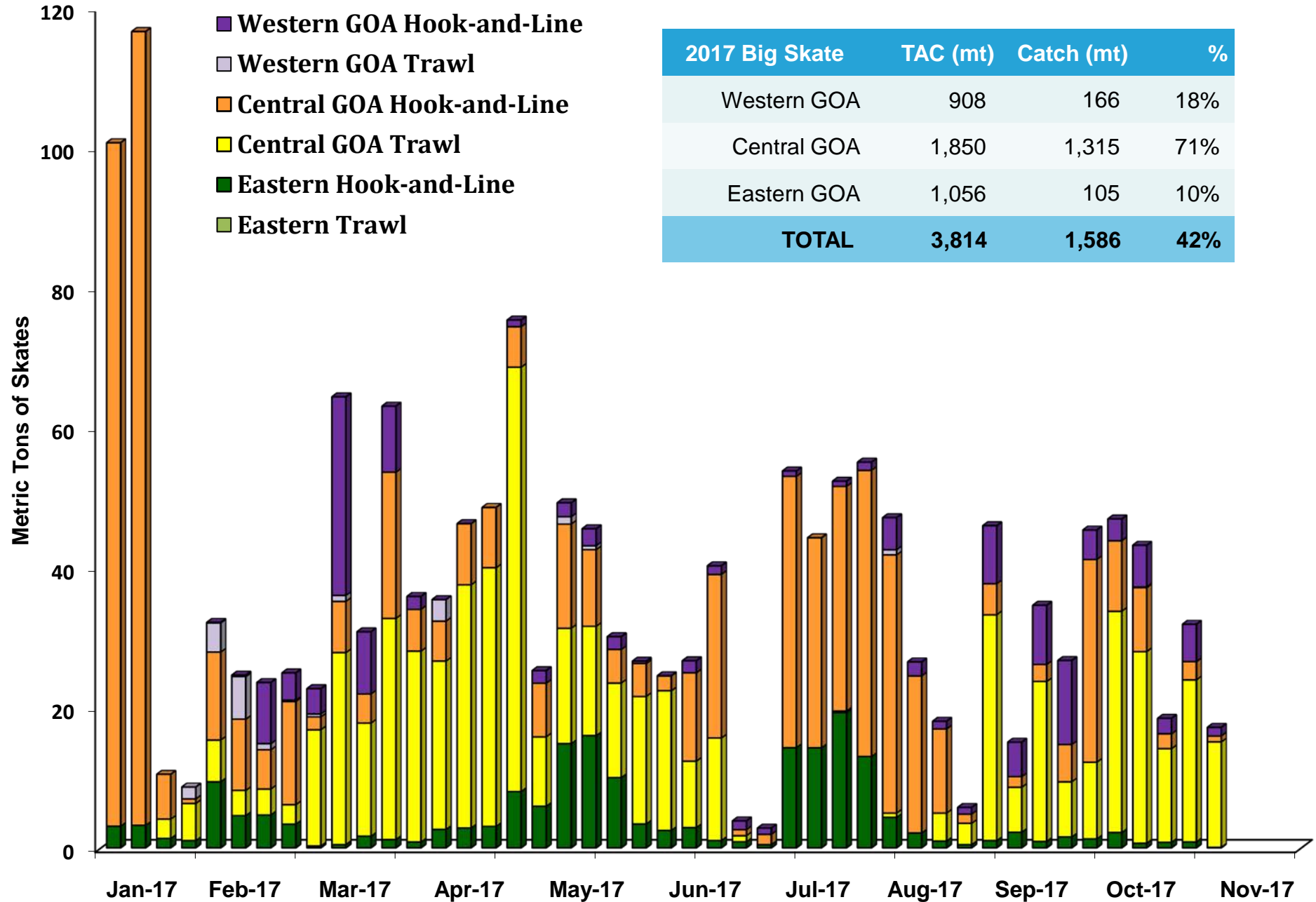
2017 Sablefish	Hook and Line			Pot				
	Unique Vessels	Sablefish (mt)	% of IFQ Sablefish	Unique Vessels	Sablefish (mt)	% of IFQ Sablefish	Pots Registered	Pots Lost
Southeast	165	2,659	95%	10	138	5%	1,900	29
West Yakutat	95	1,378	94%	10	92	6%	1,950	7
Central GOA	143	3,186	88%	19	443	12%	4,552	76
Western GOA	55	887	78%	6	226	22%	3,155	56
GOA Wide	275	8,111	90%	22	891	10%	11,557	168



Sablefish and Incidental Catch in Fixed Gear Sablefish Targets



2017 GOA Big Skate



2017 GOA Longnose Skate and Other Skates

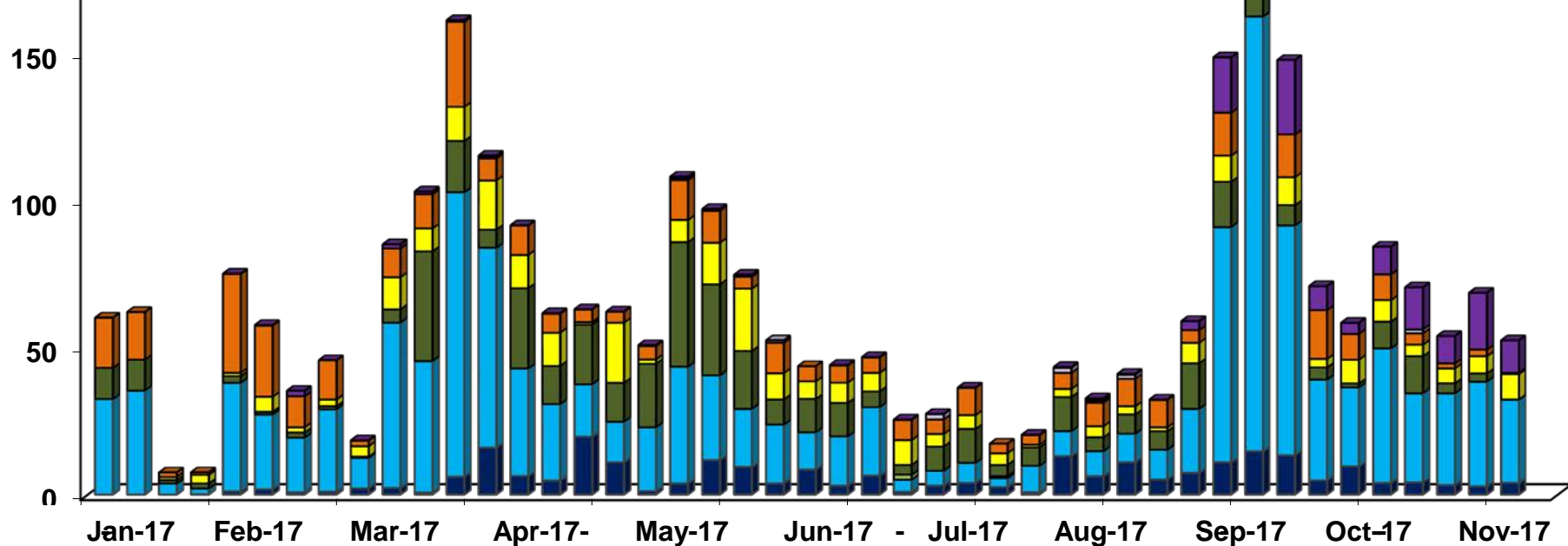
- Longnose Western GOA Hook-and-Line
- Longnose Western GOA Trawl
- Longnose Central GOA Hook-and-Line
- Longnose Central GOA Trawl
- Longnose Eastern Hook-and-Line
- Longnose Eastern Trawl
- Other Skates Hook-and-Line
- Other Skates Trawl

2017 Longnose Skate	TAC (mt)	Catch (mt)	%
Western GOA *	61	180	295%
Central GOA	2,513	695	28%
Eastern GOA	632	267	42%
TOTAL	3,206	1,142	36%

- Prohibited retention of Western GOA Longnose skates on September 20, 2017

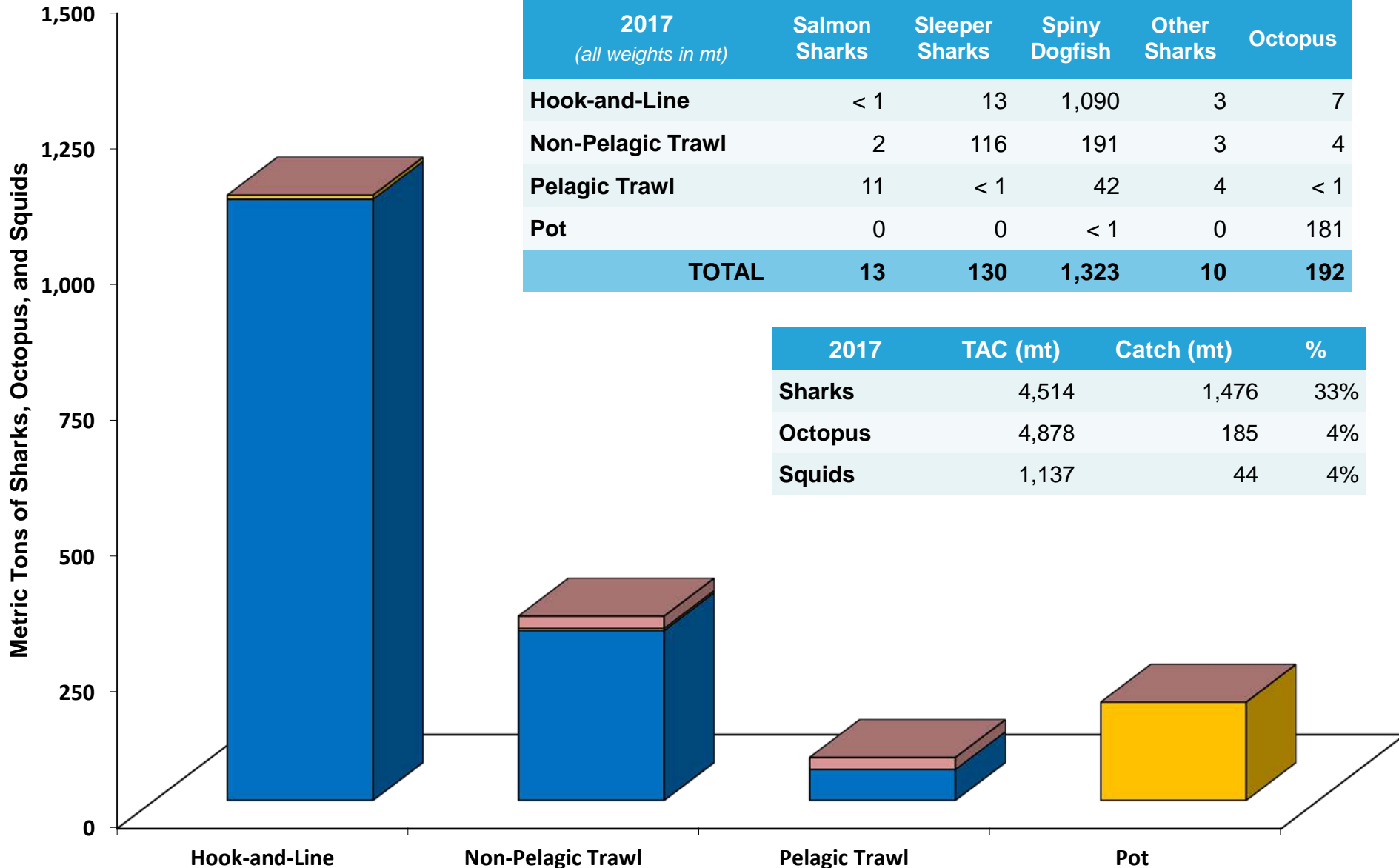
2017 Other Skates	TAC (mt)	Catch (mt)	%
Entire GOA	1,919	1,505	78%

Metric Tons of Skates



2017 GOA Sharks, Octopus, and Squids

■ Sharks ■ Octopus ■ Squids

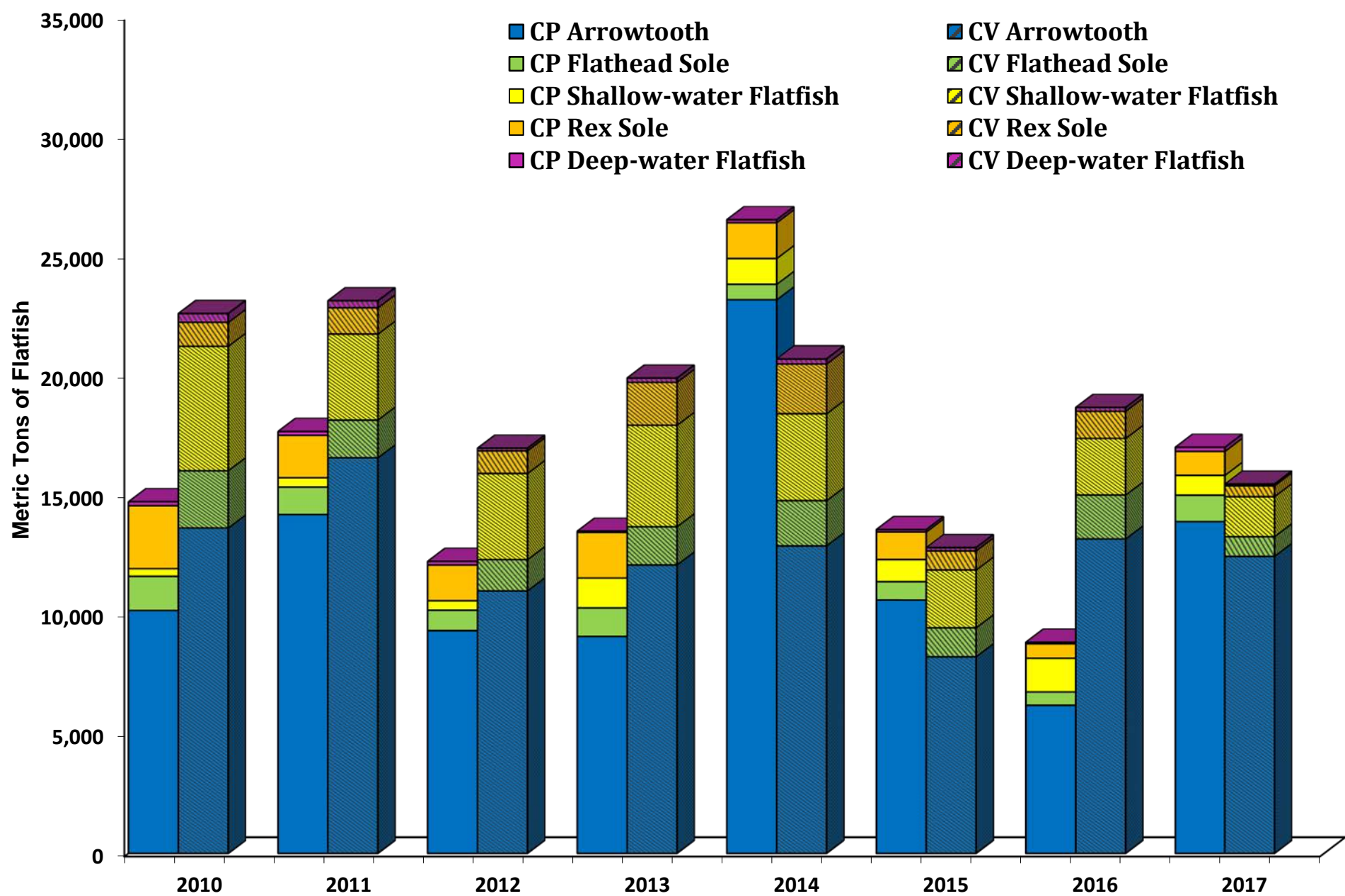


2017 (all weights in mt)	Salmon Sharks	Sleeper Sharks	Spiny Dogfish	Other Sharks	Octopus
Hook-and-Line	< 1	13	1,090	3	7
Non-Pelagic Trawl	2	116	191	3	4
Pelagic Trawl	11	< 1	42	4	< 1
Pot	0	0	< 1	0	181
TOTAL	13	130	1,323	10	192

2017	TAC (mt)	Catch (mt)	%
Sharks	4,514	1,476	33%
Octopus	4,878	185	4%
Squids	1,137	44	4%

2017 GOA Groundfish Species Placed on Prohibited Species Status

2016	Date
Longnose Skates in Western GOA	April 26, 2016
Shortraker Rockfish in Western GOA	September 19, 2016
Shortraker Rockfish in Central GOA	September 19, 2016
Big Skate in Central GOA	September 29, 2016
Pacific Ocean Perch Incidental Catch Allowance in Central GOA	October 14, 2016
Sablefish by Trawl Gear in Central GOA (non-Rockfish Program)	October 14, 2016
2017	Date
Sablefish by Trawl Gear in West Yakutat District	August 9, 2017
Pacific Ocean Perch Incidental Catch Allowance in Central GOA	August 29, 2017
Longnose Skates in Western GOA	September 20, 2017
Sablefish by Trawl Gear in Central GOA (non-Rockfish Program)	October 12, 2017
Shortraker Rockfish in Western GOA	October 16, 2017



2017 Flatfish and Skate Catch in the GOA

Species	Area	TAC (mt)	Total Catch (mt)	%
Arrowtooth Flounder	Central	75,000	25,982	35%
	Western	14,500	270	2%
Flathead Sole	Central	15,400	1,840	12%
	Western	8,650	73	1%
Rex Sole	Central	4,930	1,375	28%
	Western	1,459	48	3%
Shallow Water Flatfish	Central	19,306	2,251	12%
	Western	13,250	270	2%
Deep Water Flatfish	Central	3,454	220	6%
	Western	256	20	8%
Big Skate	Eastern	1,056	105	10%
	Central	1,850	1,315	71%
	Western	908	166	18%
Longnose Skate	Eastern	632	267	42%
	Central	2,513	695	28%
	Western	61	180	295%
Other Skate	GOA	1,919	1,505	78%

GOA Trawl Groundfish Retained and Discards

2016 Trawl	Retained	Discarded	% Retained
Pollock	172,042	951	99%
Arrowtooth Flounder	18,076	1,604	92%
Pacific Ocean Perch*	21,404	1,718	93%
Pacific Cod	15,120	90	99%
Dusky Rockfish	3,133	105	97%
Shallow-water Flatfish	3,572	206	95%
Flathead Sole	2,328	86	96%
Northern Rockfish	3,242	175	95%
Sablefish*	869	182	83%
Rex Sole	1,675	73	96%
Skates*	931	791	54%
Atka Mackerel	956	107	90%
Other Rockfish	864	167	84%
Sculpins	35	411	8%
Other Species	149	935	14%
Thornyhead Rockfish	410	67	86%
Rougheye Rockfish	383	104	79%
Shortraker Rockfish*	285	199	59%
Deep-water Flatfish	93	130	42%
TOTAL	245,566	10,114	96%

2017 Trawl	Retained	Discarded	% Retained
Pollock	182,311	2,051	99%
Arrowtooth Flounder	24,585	1,728	93%
Pacific Ocean Perch*	20,302	3,669	85%
Pacific Cod	12,921	112	99%
Dusky Rockfish	2,384	146	94%
Shallow-water Flatfish	2,040	462	82%
Flathead Sole	1,812	124	94%
Northern Rockfish	1,689	112	94%
Sablefish*	971	488	67%
Rex Sole	1,403	52	96%
Skates*	744	448	62%
Atka Mackerel	693	375	65%
Other Rockfish	627	189	77%
Sculpins	6	763	1%
Other Species	43	375	10%
Thornyhead Rockfish	379	23	94%
Rougheye Rockfish	330	24	93%
Shortraker Rockfish*	244	43	85%
Deep-water Flatfish	70	171	29%
TOTAL	253,553	13,372	95%

Sorted by 2017 Total catch; * prohibited retention of that species in that year

GOA Fixed Gear Groundfish Retained and Discards

2016 Hook-and-Line	Retained	Discarded	% Retained
Pacific Cod	7,269	477	94%
Sablefish	7,642	651	92%
Skates*	296	3,145	9%
Sharks	3	1,187	0%
Thornyhead	461	181	72%
Sculpins	1	332	0%
Other Rockfish	87	202	30%
Shortraker Rockfish*	94	199	32%
Other Species	87	92	49%
Rougheye Rockfish	87	66	57%
Arrowtooth Flounder	9	136	6%
Demersal Shelf Rockfish	105	4	96%
TOTAL	16,140	6,671	71%

2016 Pot	Retained	Discarded	% Retained
Pacific Cod	19,129	116	99%
Sablefish	na	8	0%
Other Species	33	634	5%
Octopus	203	137	60%
TOTAL	19,365	896	96%

2017 Hook-and-Line	Retained	Discarded	% Retained
Pacific Cod	7,790	486	94%
Sablefish	7,558	541	93%
Skates*	238	2,846	8%
Sharks	0	1,106	0%
Thornyhead	453	162	74%
Sculpins		365	0%
Other Rockfish	103	201	34%
Shortraker Rockfish*	88	177	33%
Other Species	78	133	37%
Rougheye Rockfish	98	85	54%
Arrowtooth Flounder	20	144	12%
Demersal Shelf Rockfish	112	4	97%
TOTAL	16,538	6,250	73%

2017 Pot	Retained	Discarded	% Retained
Pacific Cod	12,357	65	99%
Sablefish	883	14	98%
Other Species	34	240	12%
Octopus	156	26	86%
TOTAL	13,430	344	98%

Sorted by 2017 Total catch; * prohibited retention of that species in that year

2017 GOA Salmon, Crab, and Herring PSC

Chinook Salmon	Total Catch	Limit *	%
Pollock Western GOA (#) *	7,088	7,088	100%
Pollock Central GOA (#) *	14,142	17,912	79%
Pollock 640 (#)	0	0	na
Catcher Vessel Non-pollock / Non-Rockfish Program (#)	2,235	3,060	73%
Catcher Vessel Rockfish Program (#)	399	1,200	33%
Catcher Processors (#)	778	4,080	19%
Non-trawl Gear (#)	73	0	na
TOTAL (#)	24,715	33,340	74%

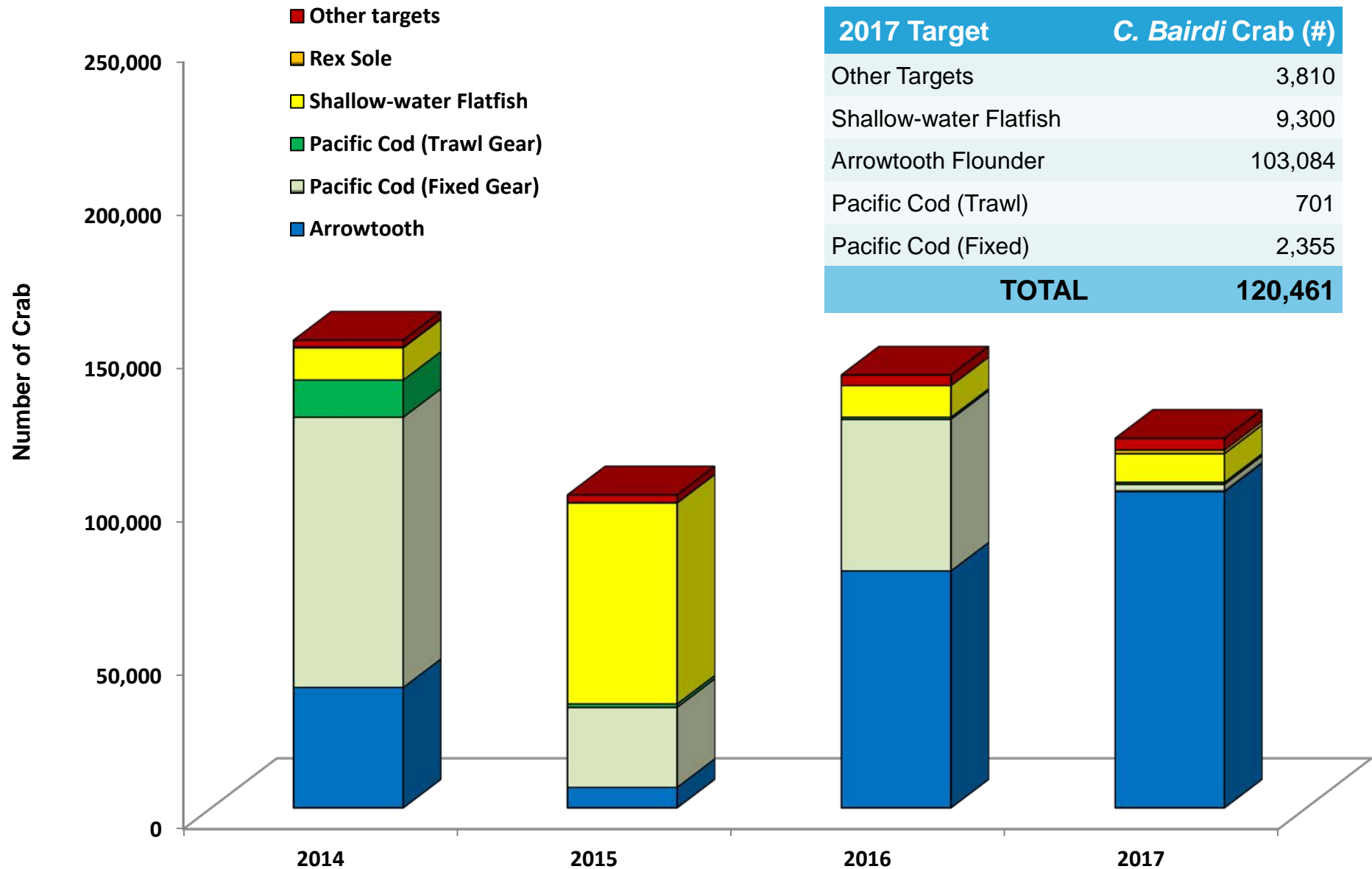
*Includes reallocation of 404 salmon from Central GOA Pollock to Western GOA Pollock on November 20, 2017.

Other PSC Species	Total Catch	Limit	%
Non-Chinook Salmon (#)	5,811	na	na
Trawl Bairdi Tanner (#)	120,461	na	na
Fixed Gear Bairdi Tanner (#)	2,381	na	na
Red King Crab (#)	0	na	na
Golden King Crab (#)	336	na	na
Herring (mt)	6	na	na

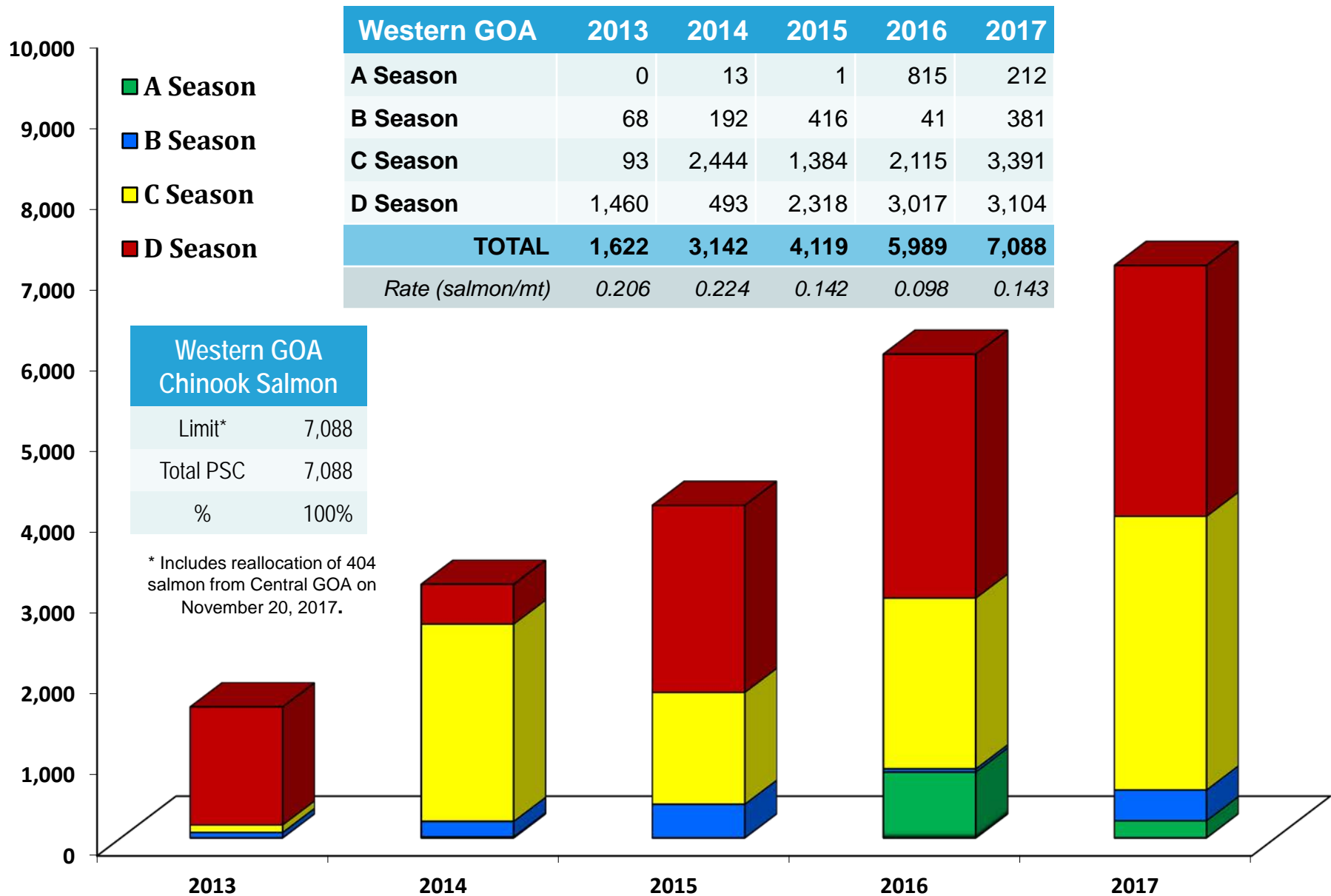


Crab and Salmon PSC is reported in number of animals

2014 – 2017 GOA *C. Bairdi* Tanner Crab Incidental Catch by Target

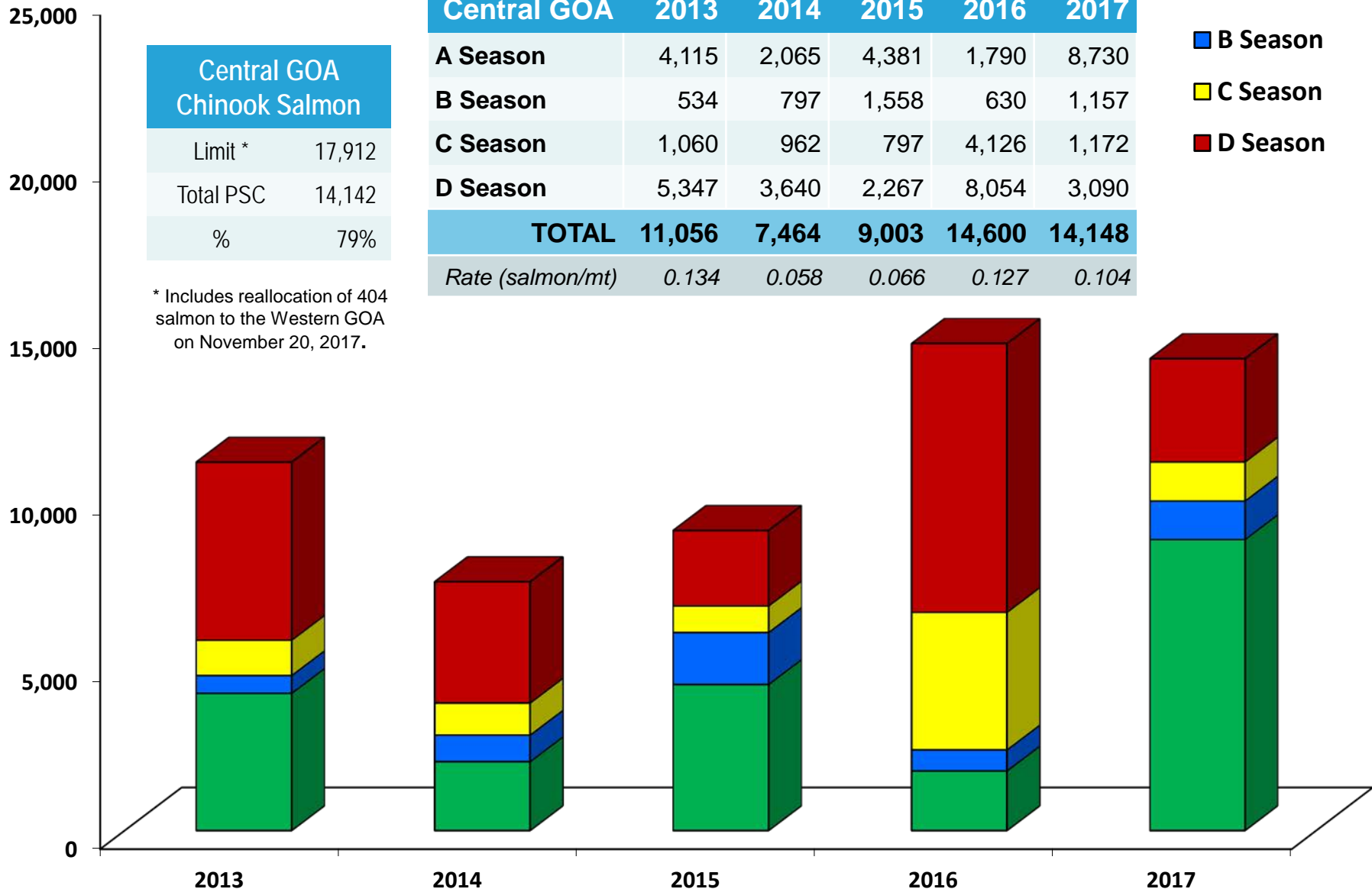


2013 – 2017 Chinook Salmon PSC in Western GOA Pollock Fisheries



2013 – 2017 Chinook Salmon PSC in Central GOA Pollock Fisheries

Number of Chinook Salmon



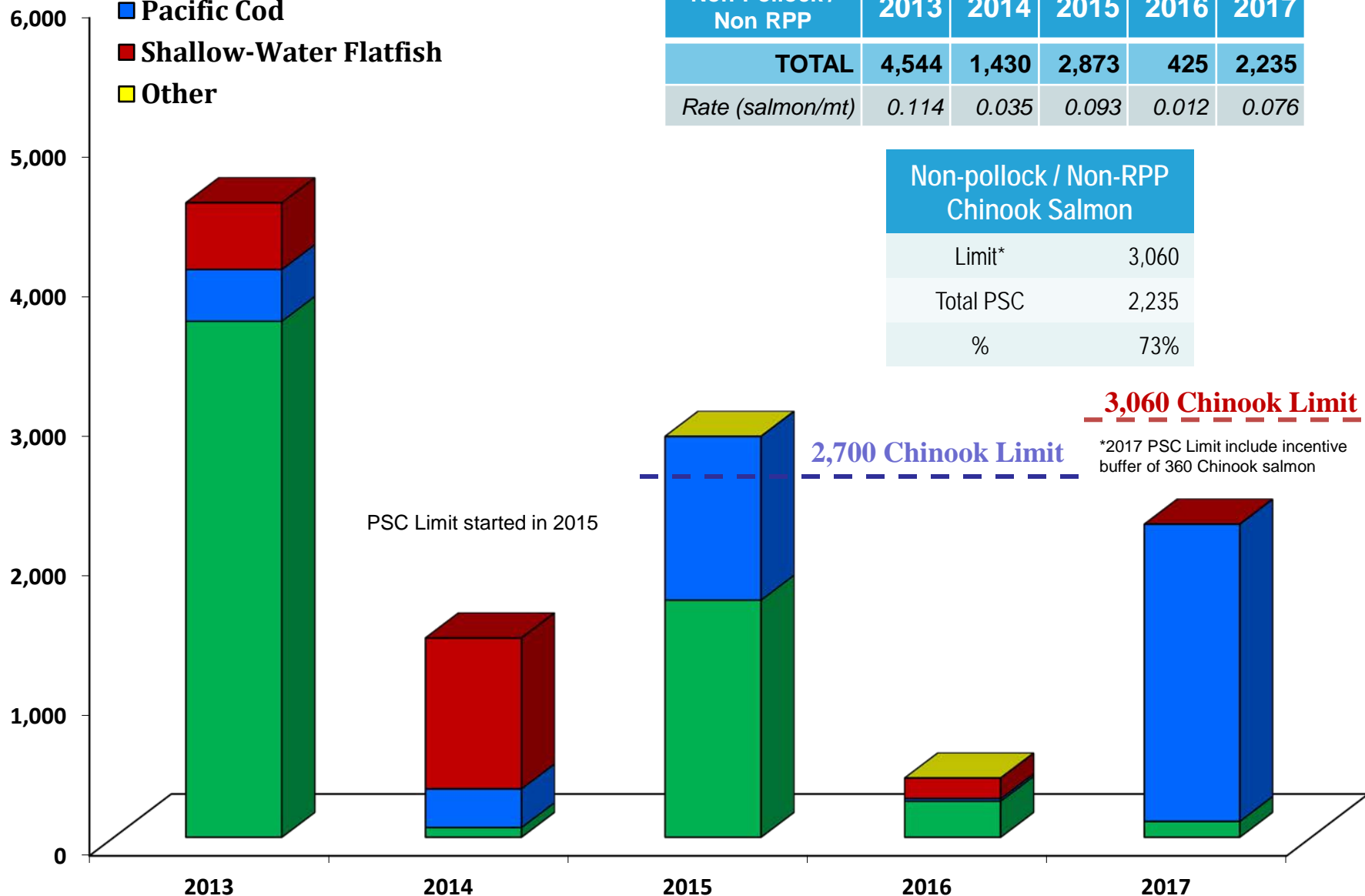
2013 – 2017 Chinook Salmon PSC in Non-Pollock / Non-Rockfish Program

- Deep-Water Flatfish
- Pacific Cod
- Shallow-Water Flatfish
- Other

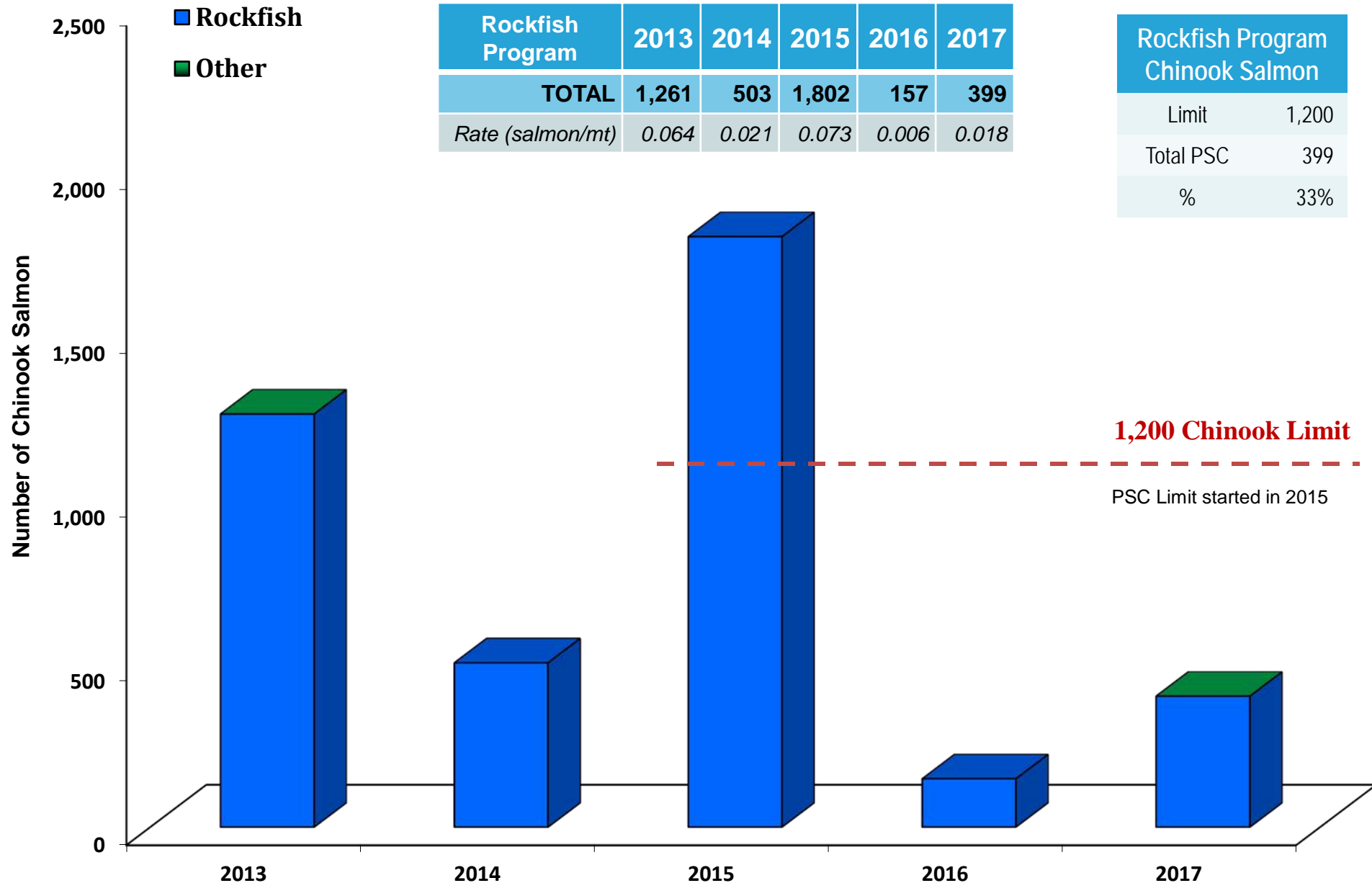
Non Pollock / Non RPP	2013	2014	2015	2016	2017
TOTAL	4,544	1,430	2,873	425	2,235
<i>Rate (salmon/mt)</i>	<i>0.114</i>	<i>0.035</i>	<i>0.093</i>	<i>0.012</i>	<i>0.076</i>

Non-pollock / Non-RPP Chinook Salmon	
Limit*	3,060
Total PSC	2,235
%	73%

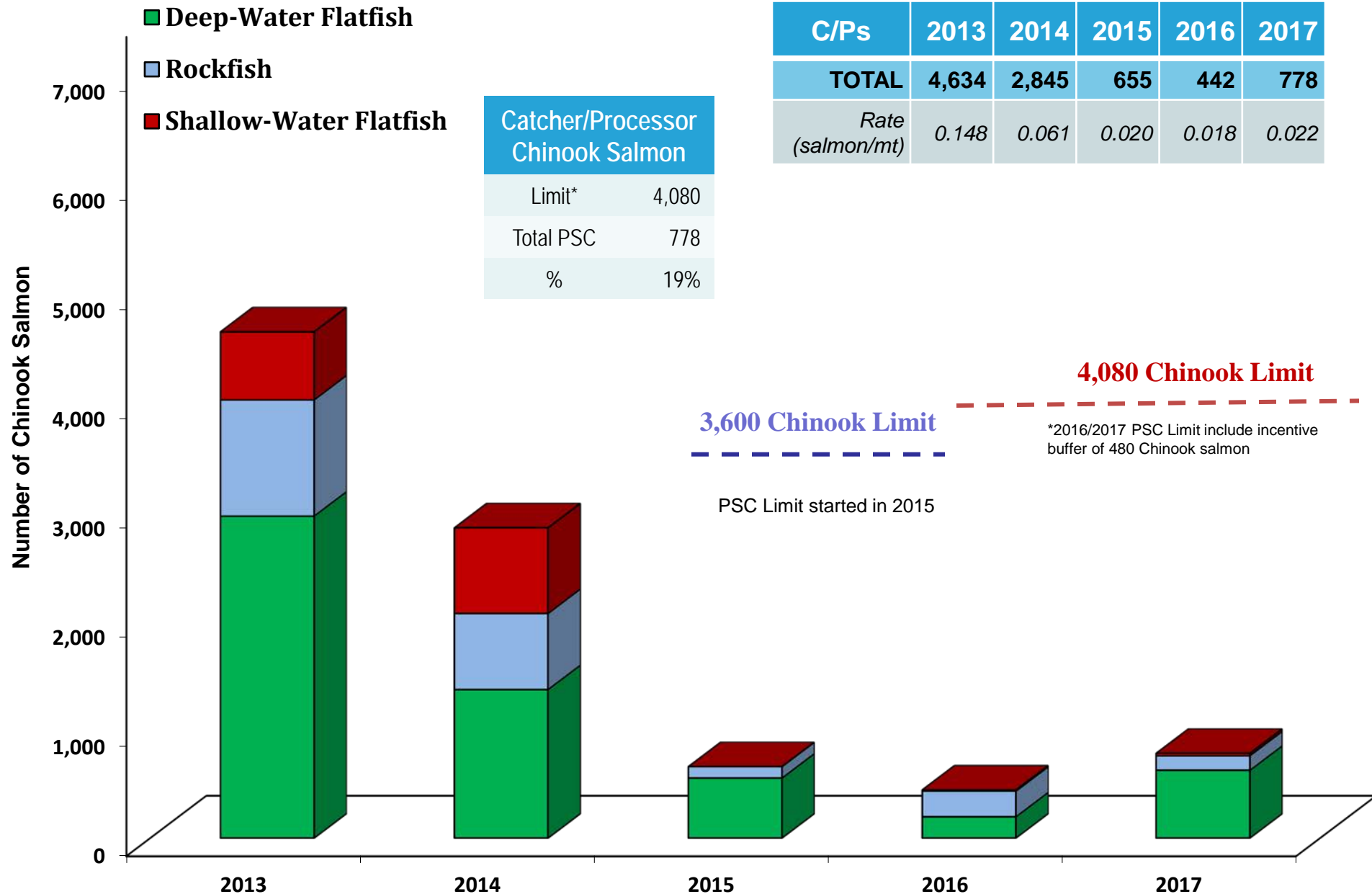
Number of Chinook Salmon



2013 – 2017 Chinook Salmon PSC in Rockfish Program



2013 – 2017 Chinook Salmon PSC by Catcher/Processors



2017 GOA Halibut Catch

Hook-and-Line Halibut (mt)	Retained	Discard*	% Discarded	Mortality**	Limit	%
IFQ Halibut Fishery	7,952	5,238	40%	838	na	na
IFQ Sablefish Fishery	929	770	45%	85	na	na
Pacific Cod \ Other Targets	35	1,443	98%	163	257	63%
TOTAL	8,916	7,451	46%	1,086	na	na



All Catch, retained and discarded is in round weight metric tons

* Halibut discards are based on best available information collected by the North Pacific Observer program. Methods used by observers may overestimate total discards because average weights contain both retained and discarded halibut.

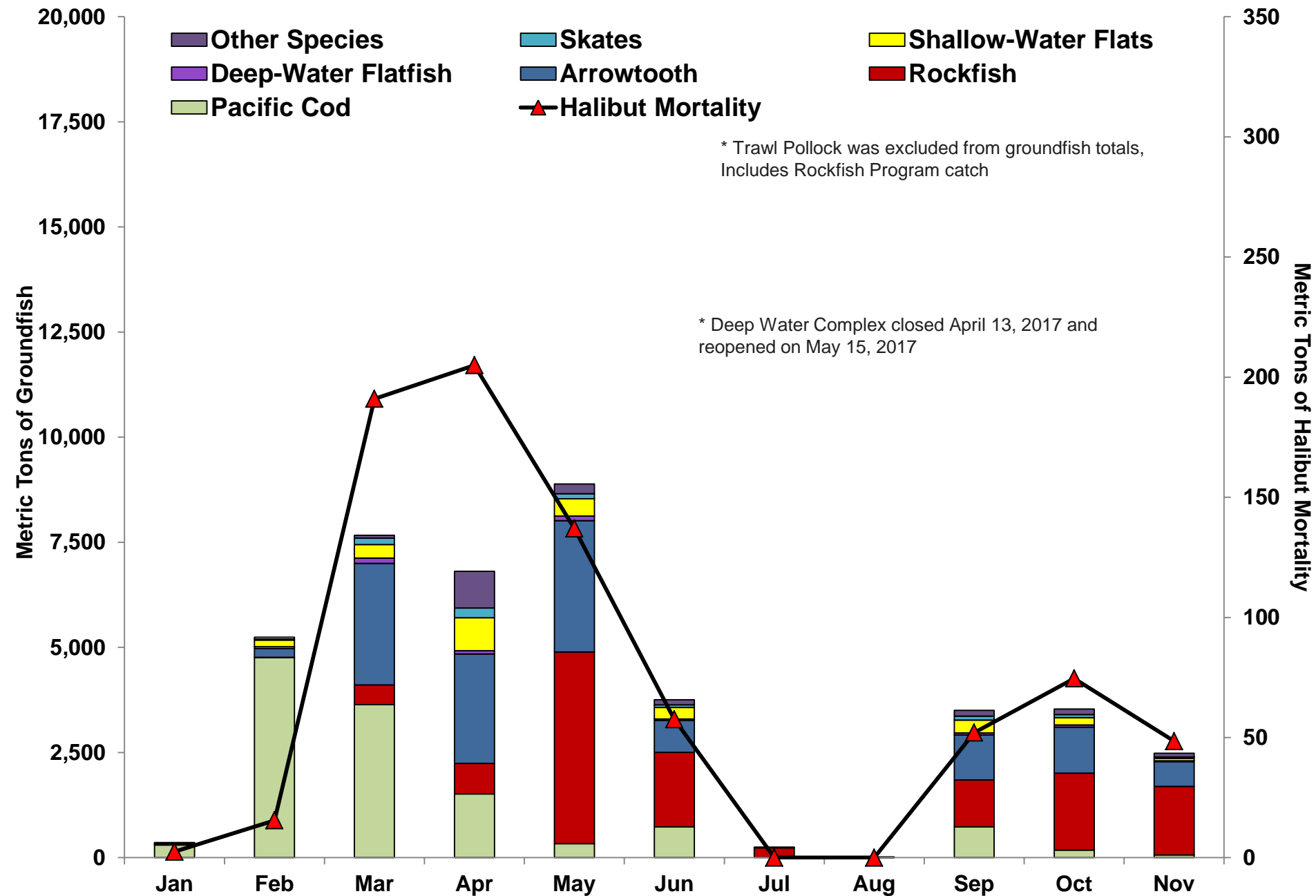
**Halibut Mortality rate in IFQ Halibut is 16%,

Gilroy, H.L. 2012. Incidental mortality of halibut in the commercial halibut fishery (Wastage). Int. Pac. Halibut Comm. Report of Assessment and Research Activities

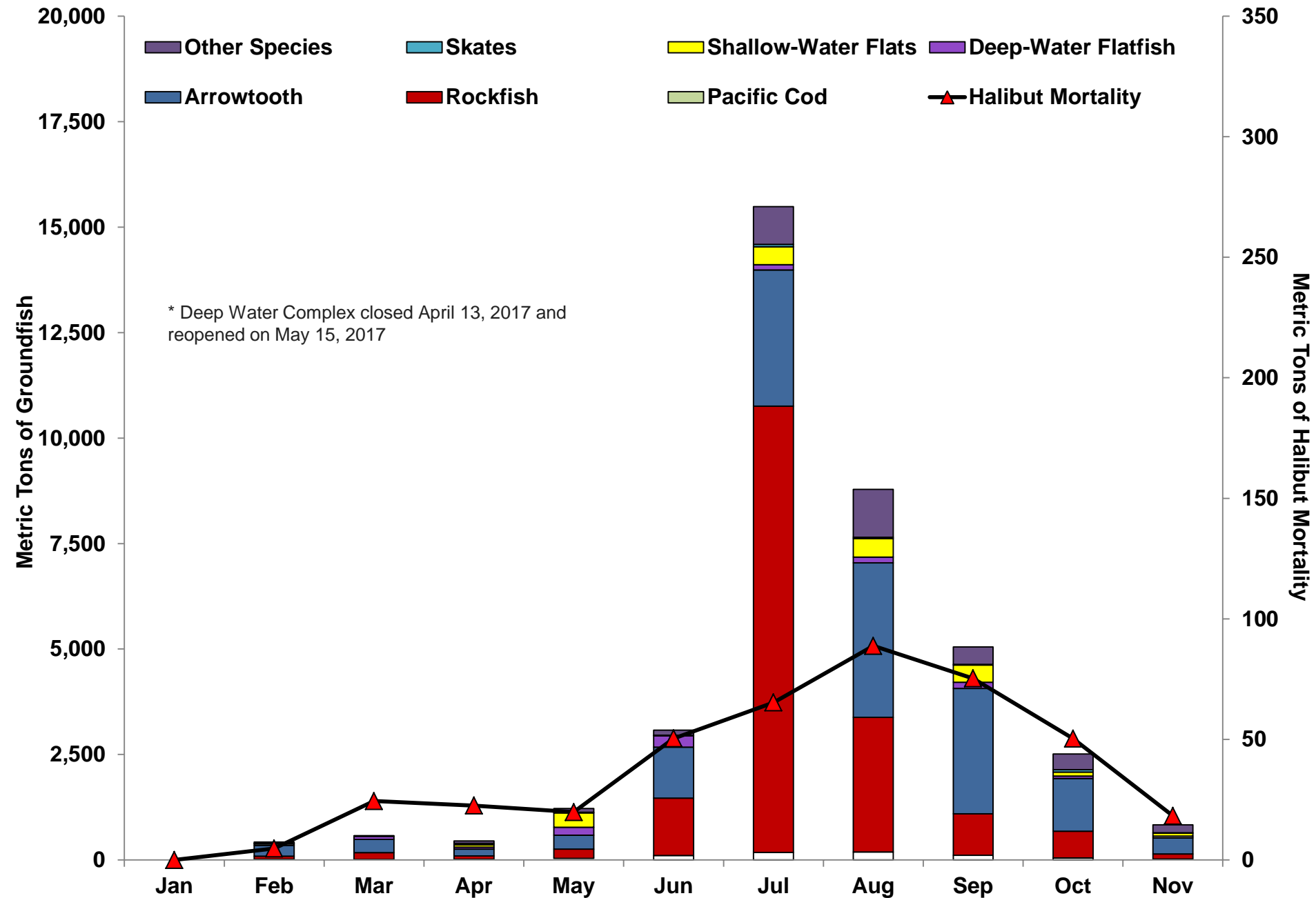
IFQ Sablefish and Pacific cod halibut mortality rate is 11% for catcher processors and 12% for catcher vessels

Trawl Halibut (mt)	Total Discard	Mortality	Mortality Limit	%
Pollock	111	74	1,706	72%
Pacific Cod	148	93		
Rockfish \ Sablefish	131	104		
Arrowtooth Flounder	1,261	888		
Deep Water Flatfish	12	11		
Shallow Water Flatfish	76	50		
TOTAL	1,739	1,220	1,706	72%

2017 GOA Catcher Vessel Trawl Catch and Halibut Mortality



2017 GOA Catcher/Processor Trawl Catch and Halibut Mortality



2017 Trawl Halibut Mortality

Deep Water Species	Season	Start Date	End Date	Limit (mt)	Total Mortality (mt)	%
	1	Jan 20	Apr 1	221	220	100%
	2	Apr 1	Jul 1	354	354	100%
	3	Jul 1	Sep 1	225	108	48%
	4	Sep 1	Sep 30	0	87	n/a
	TOTAL			800	769	96%
Shallow Water Species	Season					
	1	Jan 20	Apr 1	28	28	100%
	2	Apr 1	Jul 1	119	120	101%
	3	Jul 1	Sep 1	184	2	1%
	4	Sep 1	Sep 30	128	35	27%
	TOTAL			459	184	40%
Rockfish Program				191	82	43%
Season 5 Halibut Allocation		Oct 1	Dec 31	256	185	36%
TOTAL Halibut Mortality				1,706	1,220	71%

*Includes reallocation between Deep water and Shallow water in July

2017 GOA Reduction in Halibut Mortality Compared to 5 year Average

Sector	2012 2017 Average (mt)	2017 (mt)	% Change (mt)	2012 2017 Rate*	2017 Rate*	% Change in rate
Hook-and-line						
Catcher/Processors	62	66	7%	10.78	9.37	-13%
Catcher Vessels	142	99	-30%	16.43	24.09	47%
Total	204	165	-19%	13.76	14.82	8%
Trawl Catcher Vessels						
Central GOA Catcher Vessels (NPT)	940	753	-20%	20.62	21.72	5%
Western GOA Catcher Vessels (NPT)	86	18	-79%	12.21	2.22	-82%
Pelagic Trawl Catcher Vessels	10	16	52%	0.09	0.08	-2%
Total	1,036	786	-24%	5.71	3.45	-40%
Trawl Catcher/Processors						
Total	378	428	13%	10.68	10.99	3%
All Sectors						
TOTAL	1,618	1,380	-15%	6.93	4.96	-28%

2017 GOA Reduction in Halibut Mortality Compared to 2016

Sector	2016 (mt)	2017 (mt)	% Change (mt)	2016 Rate*	2017 Rate*	% Change in rate
Hook-and-line						
Catcher/Processors	76	66	-13%	12.35	9.37	-24%
Catcher Vessels	166	99	-40%	30.60	24.09	-21%
Total	241	165	-31%	20.91	14.82	-29%
Trawl Catcher Vessels						
Central GOA Catcher Vessels (NPT)	967	753	-22%	21.61	21.72	1%
Western GOA Catcher Vessels (NPT)	107	18	-83%	13.94	2.22	-84%
Pelagic Trawl Catcher Vessels	12	16	27%	0.07	0.08	22%
Total	1,086	786	-28%	4.73	3.45	-27%
Trawl Catcher/Processors						
Total	246	428	74%	8.79	10.99	25%
All Sectors						
TOTAL	1,573	1,380	-12%	5.85	4.96	-15%

* Rate is kg of halibut / mt of groundfish